SEQUENCE LISTING

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<120> Compositions and Methods Relating to Lung Specific Genes and Proteins

<130> DEX-0273

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<151> 2000-11-20

<160> 208

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ccctatctac ttttcttaga gaaggattcc taggacaagt aggtaccgaa ggtgtcagtg 120

ttggggatgg agagtcatag tggtgataag cctggtaagt aacctcacca ggacgtgcca 180

aagacaggtc agcgagggaa gggactgtgg aagcaaggta aggggaggtg aagttgtagt 240

ggaatttggg aggtgcttac tgatcttctt gcaggcccta caaatgttat tcaaacctct 300

gggcaaatgt attagtcact tgaccctcca cgaactcctc caaggacttc agggattaac 360

gctgttgcca cctggctcct cagagcggcc cagtcaccgt ggtgcttcag aatcaggtga 420

acatagtcta ggaggctttt ttccatagat ggctttcagg ttggtatcac tgataagggg 480

taagttgggg gacagtctca tctctacaca aatcttatcc tctgcagtgc ttctctattt 540

ctagtaagca catgatcacc tgg 563

<210> 20
<211> 630

<212> DNA
<213> Homo sapien

<400> 20
aggatgatcg atcatatggg cgcatgggtc tctagatgct gctcgagcgg cgcagtgtga 60

tggattggtc gcggccgagg tacttccttt atccagacat aaatttaatg tgttgcaatc 120

tatttgacat gatttcttac aaaatttaag tttgtgggtt aagtcttatt tttagagatc 180

aatgctgata cttataaaat gccacttgaa aagatttcag ttgtgttgct taataccaaa 240

tattgcctac tttttgcaac atatttaaaa ataaagtaga aattcagctt cttaatacaa 300

atgtatgttg tttaatgaag caaaagtgaa gagactgaat tgttaattta ttttctagag 360

tgtctccaca ttcaaatggg cggatgatca ttggaaggtg gagggcatat taaataaaag 420

gcatttccat ctgcctatag ttgccagtta tctcaggaag ttagtgcatt gttttaatga 480

ggttacagtt tctggctaga tttccctagt gaggttagtg ctatttgtgc cacagagtgc 540

atttgccagt cattttacca ctgtgtctca attttgagta gagggcaaga ataaatcatt 600

taatttattc ttaaaacctg gggaaaataa 630

<210> 21
<211> 538
<212> DNA
<213> Homo sapien

<400> 21
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caggtgatta taatattccc tcgtgcccat gccgaagaat gtatcacaga gaaattgtgc 120

ctgtttatga ggttctttcg gtgataactg gccttcaaat tcaggttttc agtggcaagg 180

aagctgacag tgttataaag cggtctattg gttggggtcc attctttaag cccaggtgtt 240

acaacccttg aaaaaaaaat gagtcaaagt gttgttcatg tgaggtatcc taagagtaga 300

cacagaggct actacagtat actacgattg acatttaggc ctgatgtctc cgtcaggttc 360

ctttagactt tctcagattt tccttttcct tgaggacttc aatagttatg ggtagtgctg 420

gctgactgta tcctttcatc tatctcacca gaagtataat acttttattt cgtttgagta 480

taaattcttg caccctaaat aagttgtcct tagtcatttg tattagctaa caaaatac 538

<210> 22
<211> 197
<212> DNA
<213> Homo sapien

<400> 22
aaggaccagg aacccgtaga acaggaccgc gatgcagggc agataaccaa tagggatccg 60

acaccctgga cgagccatca cagaagatcg aacggcccaa gtccgaagtg gcgaaccccg 120

gcacagggac ttacaagata ccagcggtcc ccccggaggg ccccgaggcc gcccagaccg 180

aacaggggaa cgggaac 197

<210> 23
<211> 1059
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (414)..(414)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> a, c, g or t

<400> 23
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tggatcgtgg tcgcggcccg agataccatg tagtgctgtg tcttctccca aaaagatgtg 120

tatttagctt aggaaagaaa tgcaaagtgt ggttgataaa atggctcatg aaagtgcagt 180

gagactgacc ccatcctgta ttcagggata ggccatccct ctctgccagt gaagagagac 240

actatcttta tatccgtaat accacgtata gactctgggc ttccctgtag tccccctggg 300

gatagtgtcc tccacccccc attagtgtat tagtgtatta ctcgtggtcg tgcggtgaat 360

gtcgtctgct gagtgaggtg gatgtcttgg tctaggttac tatttttgga acantaactg 420

gctaanaccc cttcggaaca cacaaaaaca gggcaggatg tatattttaa ttttttaaaa 480

tttaccattt tatttcacgt tattgtacca agctcatgaa atgttttact atttggtcag 540

aaaagtgaca ttatggcaca ttgcattcct aagatttaat acatggtttc tcagggaggt 600

tgaaatacag tatcctgaat cttaaatatt atagaactct taaacaattt tggcttagct 660

ggagaaggct ggggtatatt taagaatgta tgtgttctgc atatactcct ttaagaaaca 720

gattttccag gctggctgtg gtggctcaca cccattaatc cccaacaact ttgtgggggga 780

agcgcccgag ggcagcgagg gattgcttga ggcccaggag ttcgagacag cttaggcaac 840

agagcaagac tgatctctat taaaaataat aaaaagaacc cgctttgaga taatagtgat 900

aacccctgac tcgtcatatc acctagacaa ttgagattcg acactggctg ggatacgaga 960

ccagttgccg acctgtttct ggttcctttc ggtggggacg tttaaggggc caggcttttc 1020

ccgtctctac ccgtggtaat cggtctggtc tgcgtgtca 1059

<210> 24
<211> 1052
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (114)..(114)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> a, c, g or t

<400> 24
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gtgccaaggg acctacgcat ccatcgcaga tgaacggtgg tccgacggct tgancaacgg 120

gtcatcagga caaggttgta agtgagacca ngttttatag atagcttatg catattctcg 180

cggaggccaa ttacgtatga ctcggggtga tgtcagaatg agttccatct ctccgagttg 240

tgccaagggc ctgatgtgcg ttccgctcgt cagataagaa cttngttaga ccttgcgacg 300

acgaaatcca cacgactagt cgagaactaa ttctaggtca taacataaca tacatgacaa 360

aaccaaaaaa aaacaaaaaa aacaaaccaa cacaaaagcg cgttggcgcg tgtaaacacc 420

agatgggctc tatacacgcg tgtgtanacc ccttgtgtgt gtcgacatat gtgtgtgtac 480

tccccgcgct ccccacaaat actcccccca cacaaaacat atcccccggc acacaaacgg 540

caaacaaagg aagagaagag aggggaaagc aagaaagaga agacagcaga aacaaagaga 600

aagacaaaaa ggaaaggaga gaaggaaagc aggaaaaaag caagaaagaa caaaggaccg 660

aagaacaaca cagaaacaaa aaaaaagcaa agacgggacg aggaaaaagc acaaaacgaa 720

agaaaaggaa aagagaagca gagaggagaa ggaaaaaaga gagaagaagg aacgaaccaa 780

aaagaaaaca gagaaagaga cagaacgaaa gaaagcgaca agacacaagc aaagagagcg 840

acaagaaaag acagaaaaaa agacaggaga caagaagaaa cagaaaaaga aagaagcaga 900

acaacaaaga gggaaaaaag aaaatagcaa aacgcaaaca gaaacaacaa acggaagaaa 960

gaccggacaa aacgagagag gagaagagaa aggcacaaag aaagaaaaag agaaaagcag 1020

agaaagaaga caaccaaaag aaagaaagaa cg 1052

<210> 25
<211> 1124
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (186)..(186)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (519)..(519)
<223> a, c, g or t

<400> 25
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aatgcagaac gacgccggcg agttcgtgga cctgtacgtg ccgcggaaat gctccgctag 120

caatcgcatc atcggtgcca agggaccacg catccatcca gatgaacggt ggtccgacgg 180

cttgancaac gggtcatcag gacaaggttg taagtgagac cangttttat agatagctta 240

tgcatattct cgcggaggcc aattacgtat gactcggggt gatgtcagaa tgagttccat 300

ctctccgagt tgtgccaagg gcctgatgtg cgttccgctc gtcagataag aacttngtta 360

gaccttgcga cgacgaaatc cacacgacta gtcgagaact aattctaggt cataacataa 420

catacatgac aaaaccaaaa aaaaacaaaa aaaacaaacc aacacaaaag cgcgttggcg 480

cgtgtaaaca ccagatgggc tctatacacg cgtgtgtana ccccttgtgt gtgtcgacat 540

atgtgtgtgt actccccgcg ctccccacaa atactccccc cacacaaaac atatcccccg 600

gcacacaaac ggcaaacaaa ggaagagaag agaggggaaa gcaagaaaga gaagacagca 660

gaaacaaaga gaaagacaaa aaggaaagga gagaaggaaa gcaggaaaaa agcaagaaag 720

aacaaaggac cgaagaacaa cacagaaaca aaaaaaaagc aaagacggga cgaggaaaaa 780

gcacaaaacg aaagaaaagg aaaagagaag cagagaggag aaggaaaaaa gagagaagaa 840

ggaacgaacc aaaaagaaaa cagagaaaga gacagaacga aagaaagcga caagacacaa 900

gcaaagagag cgacaagaaa agacagaaaa aaagacagga gacaagaaga aacagaaaaa 960

gaaagaagca gaacaacaaa gagggaaaaa agaaaatagc aaaacgcaaa cagaaacaac 1020

aaacggaaga aagaccggac aaaacgagag aggagaagag aaaggcacaa agaaagaaaa 1080

agagaaaagc agagaaagaa gacaaccaaa agaaagaaag aacg 1124

<210> 26
<211> 659
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (239)..(239)
<223> a, c, g or t

<400> 26
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ggatatgggc ccatatacca aaaagcctca agggacaaca aagcctgtgc ccctctctcc 120

tataaggggg tgcccctctc aagagcccct atttgtgtgt gttaaacact ctcagagagg 180

aaaagctctc gaactctctc tgtggagccc ttctccctct ccctcacgag tgtgtgggng 240

aaaactgtgc ccgaggattg agaggataaa ctccgtggct taaaatctct tggtgtattc 300

cccaaatatt aatgccccca acacaaatat tgtggaatat caccaccact tatttaaaat 360

atacacttac acatatctcc catatttaac gcggtctcaa tgagaatgtg gtattcacgt 420

ggcacatatt ctcaccatat tacacatctc gtggcacata ctccacaaga agcaagcgcc 480

tttgggcgag ggggatctct tatattctac aagcctgtgg gggatatatc tcgatgtggc 540

gcccatataa gcgctgtgtg ttccgcggtg gtgtgtgaaa atgtgtggta tatctcgcgg 600

ctctcaccaa attctccacc acacaaaatt cgccggacaa caaaaaaggg gggggggggg 659

<210> 27
<211> 1337

<212> DNA
<213> Homo sapien

<400> 27
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attcacttgt gcaagaacaa cacttctcct caaaaatact tttccccccc aaaagagctt 120

aaaaaaataa gaaaaagagc taattagggt aggcagaaag tgtctcttgg gagacacccc 180

tctctgtgtt ttctcagagg gagaagcctc tagtgccggg cgtgtgtgtg tctccaacca 240

ccgagaggtc ttgtgccacc agaggggggcg agagagtctc tctccctgtg agacctctgt 300

gacacttgtg cgccagagac acctctctct gtgtggtgtt gtggcgcctc tcgcggagag 360

agacagcaac gccccaagct ctctgcgtgg gcggtgtgag agactctccg tttctcctct 420

cgagtctcag tgtgcgccca acacaggtgt tgtgtatctc tccactatat atagacgcca 480

tctctctcta taacacactt ttctcactct ctataagaga gatatatatc tcctatagag 540

tatataataa agatctctat actacccata tatattgtgt gagggcgcgc actatgtgtg 600

tgggtatatc tcccacagtt gggtgtttaa ccacacaaag aaacacatat aatctctatc 660

tctctctgtg ccatatatat tatgtgtgtg tgtagacatc tttatataag aggagaacaa 720

cagcgcatgt agagagaatg tgacctctct ctatatgttc tcacacacac aacacgtgtg 780

gggtgtgaaa tctctctcta tatgtgtgtg tctctcccac gaagttgtgt ctccccggtg 840

gggatggtgg ggggctctcc accccggaga caatgatgcc ccaatttctc ctctccctat 900

tctcgcgatg gatgcgccga gaataataat ttacaccata tatctctctg ttttttacac 960

acccatgttg tgggtgccca taaaggggag cgcggcaccc aaacatgatt agtgggagag 1020

agaatgtgaa aaaaaatata aacgaggccc gaggggggcg cagaataaaa ctacgagggg 1080

ggtccacaat agaagctccg aagatgtacc ccgccggggt ggttgcggca ccactattcg 1140

tggttgttat atcccccggt ctccccaccc atatttcccc cccccataat caattagaca 1200

gaacacaaac aacacaaaac acaacaaagc agactacaag caaaaaagac gaaccaaacc 1260

agcgacatag aaacaccacc aaccacaaaa caacgcacca gcaaaaccac acaacaccac 1320

acccatacag aaacaaa 1337

<210> 28
<211> 164
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (111)..(111)

<223> a, c, g or t

<400> 28
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atatccagat agattcggct agtgtgtgag cacactgttg aaatgtcatc ntctccctgt 120

gactcttaca cggacactct ctctctattg tctataaacg cttg 164

<210> 29
<211> 183
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (130)..(130)
<223> a, c, g or t

<400> 29
gcgtggtcgc ggccgaggta cattgctaaa taacttctta ggaagagatg tggggtggca 60

aacccttgca cgtctgaaaa tatccagata gattcggcta gtgtgtgagc acactgttga 120

aatgtcatcn tctccctgtg actcttacac ggacactctc tctctattgt ctataaacgc 180

ttg 183

<210> 30
<211> 676
<212> DNA
<213> Homo sapien

<400> 30
gtgaaaccca gtccctacac acacagacac acacacacac acacacacac acacacacgg 60

gcaacatggc gaaacccagt ctctacacat atacacacac acatacagac acacagacac 120

acacacacat ctagtctggt gtgtgggtgg cgcactatct gtgtgctccc agtctatctc 180

aagaggctga gtgtggaagg gatcatcttt gagcccagga tatttgatgt tgcatgtgaa 240

ccgagtattg tgcctagttg catctccagg ccatgagaga cagagcgaga ctctgtctca 300

aaaacaaaaa aaaaaatttt tattgctccc ttaatataaa aaatttcata gggcttctag 360

tatttagtat ttagcaagta ctacagtctt tagtattcaa agagggctct ttgtggaaat 420

tactttataa tttctacgtc tgtgtgccct tgcctatgtt ggtactgaga acgtgaatta 480

ccattgtgga aacttcatag tgtctactct ttattatagc atttcatttt aacaaaggtt 540

ggtattttat gtaggccttt ttccttttg ttctttattg catattttca agagaagctt 600

ggcataatca tggacaatag ctgtcccctg tgtgaatttg tttccgccac aattccatct 660

cacacaacaa aatggt 676

<210> 31
<211> 2040
<212> DNA
<213> Homo sapien

<400> 31
accattttgt tgtgtgagat ggaattgtgg cggaaacaaa ttcacacagg ggacagctat 60

tgtccatgat tatgccaagc ttctcttgaa aatatgcaat aaagaacaaa aaggaaaaag 120

gcctacataa aataccaacc tttgttaaaa tgaaatgcta taataaagag tagacactat 180

gaagtttcca caatggtaat tcacgttctc agtaccaaca taggcaaggg cacacagacg 240

tagaaattat aaagtaattt ccacaaagag ccctctttga atactaaaga ctgtagtact 300

tgctaaatac taaatactag aagccctatg aaatttttta tattaaggga gcaataaaaa 360

ttttttttt tgtttttgag acagagtctc gctctgtctc tcatggcctg gagatgcaac 420

taggcacaat actcggttca catgcaacat caaatatcct gggctcaaag atgatccctt 480

ccacactcag cctcttgaga tagactggga gcacacagat agtgcgccac ccacacacca 540

gactagatgt gtgtgtgtgt ctgtgtgtct gtatgtgtgt gtgtatgtgt gtagagactg 600

ggtttcgcca tgttgcccgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtctgtgtgt 660

gtagggactg ggtttcacca tgttgcccag gtgtgtgcat gtgtgtgtgt gtgtgtgtgt 720

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tcgccatgtt gcccaggtgt gtgtgtgtgt aaagactggg tttccccatg ttgcacaagc 840

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tggattacag gcagaagcca cagtgcctgg ccagcataaa ctattctaaa tagctttttt 960

tatttaacta ataaatctag acagattaaa cattttagag gacctctaaa atactatgcc 1020

ctgtggaaaa caagacaaag cactaattcc atacagcttg ccttgggaca gattctccct 1080

tcagtctcat ctgtgtaata cttattattc tcaaagaaag tgaacacata gagcgacatt 1140

taaattccaa gatgtaacaa aaccttaatg ttaacattaa aaaattaaaa tctcagagtg 1200

tgccacacca taggtgctta attaaaaaaa aacatactaa acagtgaaaa tggatgaccc 1260

agtccttagc ctatgttatg gagttagcga agcaagctcc agtgccctgt ggcttagtca 1320

tacaataaat acttactgtc acacagtggc tgctcagtaa atatttatgc tttttaaact 1380

aaacagtgaa aatgggtgac cagtccttag cctttgctta tgaagtgagc agaagcaaac 1440

tccagtgccc agtggcttag tcatacaata aatatttact gagcagctac tttgtgccac 1500

acactatgct aggttcttgg caacaaggac actgtttggt cattaaggaa acatggaaaa 1560

gtgagggatg ccccctctcc aagcaagcct gacccctcc gcatggcctc caacacacgg 1620

ctgcttccac tctgggctgg caggtggatc tgtttacaga tgttatctct ctcatgaatc 1680

agctgcagaa cctgatgaaa cagaacacat tataggtaat cacaatctca ccaaagaacc 1740

ttacagaaag caataccgct cttactatgt atcctccaag gtcaattttc acataattaa 1800

gaggctaatt aaaccagaca cacaaaatca cctattccct aacttttgtt caagccccat 1860

tctatttgtc tcagacactt cacctgatgg catctctgct ttcaaagagt agagagaaga 1920

aagtaagcag aggtcagatt aaagccatgg gagctgaata caggtagtgc tgacactagg 1980

gtcagcaggc aaagcaggaa aaaaatggca cttctttcag ctagcttaca aagcagtcac 2040

<210> 32
<211> 285
<212> DNA
<213> Homo sapien

<400> 32
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accacatcca gctaattttt gtatttatgt tggttggttg gttttttgtt ttcgttttag 120

tttgtggaga gacaggtttt tgctgtttcc caggctattc taaagttcta ggctctgcct 180

gcatcagcct cccggggagc tgggattaca ggcgtgagcc actgtgccca gcccttagaa 240

ataattttct ccacctccat tcctctgact cttggtttgt gcctc 285

<210> 33
<211> 618
<212> DNA
<213> Homo sapien

<400> 33
ttccgagcgg cgccagtagt gatggatgtc gcggacgagg tgattttggt gatagaatta 60

caaaaactgc tagtggattt ttttttttt ttttttttt tttggaaacg gtttttgcct 120

ctgtcccccg gctggttgcg gggttgtctc ggtcttgacc cccgcccccc gggtgcagtg 180

atttccctgc ctcatttccc attgctggga ctacgggcgt gcaccaccac gcccagctat 240

ttttggtatt ttatagcaga gacagggttt cccagtgtgg gccgggcgtg gttctcgaac 300

tttccgaccc tcaaattgac ctccgccctc cttgggccct cccaaagttg cgtgggacta 360

ccaggcgttg agccccggcc gtggcctcca atatttccgt tgtccataaa ttccaacagt 420

tggccctccc tttgagccat cgaggtgtgg gggcaaaaaa aacatctttc ggttaatatt 480

aaaatgggcg ttctatccca tcacagacag ggcaaaggag ggggcgacaa aaagctggga 540

gtatccttgg gccataaggc tgttccctgg tgtgaaattg gttttcccgt ccacaatccc 600

cacacataac cagaccac 618

<210> 34
<211> 365
<212> DNA
<213> Homo sapien

<400> 34
aaaaaaagaa gaagttctgc aatttggatt tctccccata agttagacag gggaagaaga 60

tgagaaatta gaaaattcat acggaggggа acaggggggag aagcagaggt tactggggaa 120

actccttagg ggcaaaacaa ggcaggtctt atagaagggc tgggtcggct gtaacttctt 180

caagggtaaa ccaccaacaa taaagtctgg gggtaattca tggtccatag cctgttccct 240

gttgtgaaca tggtttatcc gctccacaat tcccacacaa tatctcggga agacagtcca 300

acgaaacgag taaaaaccaa gacaaccatc aaaacgaaca gaaaaaacag cagacaacaa 360

agaga 365

<210> 35
<211> 276
<212> DNA
<213> Homo sapien

<400> 35
accaaattga taaacagcag gattcctgcc ctgtggaggg tatgtgttca tcaaaggagc 60

ccacagcttc agagtgagat aaggaaaaga acgggaaact gggggagaaa ataccagggg 120

gcataatgca gactaagggt gggaggggca agtggagtgg tcaggaaagg ccagtctgag 180

gaaatgacat ttcatccgag tctcagagac agaggcttgg aaaacatata ttccaggtat 240

aggagacaac atacgcaaag tccctggggc aggaaa 276

<210> 36
<211> 506
<212> DNA
<213> Homo sapien

<400> 36
accaaattga taaacagcag gattcctgcc ctgtggaggg tatgtgttca tcaaaggagc 60

ccacagcttc agagtgagat aaggaaaaga acgggaaact gggggagaaa ataccagggg 120

gcataatgca gactaagggt gggaggggca agtggagtgg tcaggaaagg ccagtctgag 180

gaaatgacat ttcatccgag tctcagagac agaggcttgg aaaacatata ttccaggtat 240

aggagacaac atacgcaaag tccctggggc aggaaagagt ttggtacatt tgaggaccaa 300

atagaaaact ggtatggcct tggtttatca tggctgacat acaaagtcca ttgcagatct 360

gaagtgatgg cctagggaga gagcaggacc tggaatgcca cagaccccag atcatcttcc 420

gtatataagg tgggcttcag agtttagctt cctctctaac ctcagagtca ccaggaggaa 480

tcaggaagca atttcaccac tctcct 506

<210> 37
<211> 249
<212> DNA
<213> Homo sapien

<400> 37
acaggaaggg gtcaaggtgg agagcaggct agagggaggc tggcgagatg ggccaggtca 60

ccatggcatg ctccacactg ctgggtgtag gaatgcatca cggggaggtg ctgacacttt 120

cagggtagac agggaacgtg gactgccaca caccgactca gggaaaagcc aacagtccca 180

tatgtaaatt ttaaagttag ctttagaaaa taagttaaca gttatcagag caaaagtaag 240

gataaagga 249

<210> 38
<211> 406
<212> DNA
<213> Homo sapien

<400> 38
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aattactcaa tcacgaccta tgactgacgt caatgacggt gaagcggaat cttcatgcac 180

acatccatat gagggtcacg atgaatgtcg gctacagcga tgcgaggtag tggcacaaat 240

ccagggcgcc agacacagca ttggctgacg tggtgagtga taggtatctt acggcagggg 300

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agttatcctt gtgttgaaac ttgtatatcc agctcacata ttccat 406

<210> 39
<211> 253
<212> DNA
<213> Homo sapien

<400> 39
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tatttagggc ctgggagtca tagttgacga tggagttttc aggaagatca ttgtgagccg 180

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aaatttctga ttg 253

<210> 40
<211> 1198
<212> DNA
<213> Homo sapien

<400> 40
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ccccacatgg tgcagagtaa aaaggtgaac ttgtgccgcc cctttcccaa aagaactgct 180

tccagagcag acaacagctc ggactctcca acaactctta agttagttaa aggacagttt 240

cctcagaaaa gaaaaagagg tgcggaagtg ctgactgcac agtttgtaca gaaaaccaaa 300

ttggatagga aaaaccaaga agctcctatt tctaaagatg ttccagtgcc aacaaatgct 360

aaaagggcaa ggaaacaaga gaaatctcca gtcaaaactg ttccaagggc taagccacct 420

gtgaagaaat ctccacaaaa acagagagta aatatagtaa aaggcaatga gaaccccaga 480

aacagaaagc agctacaacc tgtcaaagga gaactgcttc aaagcttcaa tcagaaattt 540

caagaggttg tcaagaagat gggattagca taaatagtgt tcaaccagaa aataccacag 600

cggctcacaa tgatcttcct gaaaactcca tcgtcaacta tgactcccag gccctaaata 660

tgttagccga tctagcatta agctctgcta cttcttccac accagtatct gaggctagaa 720

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atgaagaaag cttggttcct tgtagtcagg cccctgctaa agcccagtca gcacttactg 960

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ctctgtttcc caggaatggg acaaaaagcc ctgaagcagc aaccccagtg gggaaagtca 1140

tgccattcgg catcagccgg ctttgtgctt tcagcaaagc tcctgacgac ccgtggtg 1198

<210> 41
<211> 151
<212> DNA
<213> Homo sapien

<400> 41
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cctgcaaggt ggcaaattcc tcaagaatat g 151

<210> 42
<211> 3096
<212> DNA
<213> Homo sapien

<400> 42
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caaacctcca cggtttcctt ccgccttcgc gtcacctttc taagaaattc ccagagggca 180

gcgcagacgg ggcgggctct gagactccgg gctccgcctc tttccgggaa ccgcccacta 240

cccaggactc cgacagaggg tgaaaaaaga taacttccgg tctcgcgatc gtctctaatc 300

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tggccgggga gcgcgaagtc cccgggagta agggagaggg ggcggggtcg cgcgtcccgg 420

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ctttttgaag ccatgtctgc tattgaaatg atggatccca agatggatgc tggcatgatt 780

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ggttttatta cagatttaat cacaaatcat tttttatgaa tgattgagtg aaaatagtgt 3060

ttataaaggt taataaattt cttgacaaaa aaaaaa 3096

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<211> 965
<212> DNA
<213> Homo sapien

<400> 43
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taaaaaaacc atcggggagg tctgaggatc acttgacccc aaaatttga ggtctgtata 180

agctgggggt aaccggggct catagcgtgg ttcccgggtg tgaaatggtt acccgcctca 240

caaatcccac aacaacataa cggagacaag gagcctacgg tgacaaccac cctaggagca 300

gcccataata agaggagaac acaaacacac agacacatgg cgagcacaga aaaagaccag 360

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cgcaacgagc acgacgggga gaacaaacgc gaggagaaca ggcagaaaaa taggagcagg 480

ccactactcc ggatgaacca cccggcatca accataaaca caccactcag ccccaccccg 540

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aaaaaagcgg agcgcgaaaa taccaggtgg taaccaccaa cacagaaaaa catacgagcg 660

gaaaaacaca cgaccaggta aaaaagaaca attgtgtaag cgcaaaaacg gaccaacaaa 720

aaacgacgca gacaggcacc accggcaaaa aaaggccccg cagcatagca tgagggtaca 780

tcacacaaga cagactcagg acccacccag cgacagaagg cacaccaaaa aacgcgacac 840

ccacaagagc tcacacggtg gcaccaacaa ccccaacagg acacagatcc agaacaacca 900

aggcgggtgc cccccaagaa aacatccact agaggggact ccacaagaca cgaagccacc 960

gaccg 965

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<211> 325
<212> DNA
<213> Homo sapien

<400> 44
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gcaggaggca ccactttgaa ccccccgggt gggtgtgggc ctgcccttga gctaatgatt 120

cgtgcccact tgcactccaa gccctggtgt tgaccgatgc aggaccctgt tctctctgac 180

accaggtctt ctctcggtgg tgttttgggg ctgcttaccc acaatttttt caccttggtt 240

ctcttctggt ccctaatact ggctcgaaac caacctttcc agttcttatt taaacccaaa 300

aaacccttgt tggtccaacc tggcc 325

<210> 45
<211> 333
<212> DNA
<213> Homo sapien

<400> 45
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gggccgccgg gcaggtactg ctgattttca gtctaaggac atatatctct tatatcatat 120

tgcctcttaa aaggtaaaga aaggcaggtt ggacccatga catatcttct aggccacagc 180

tctgaacaca ttgcaagaga aatattcaag caaagtgaaa ggaaagcagc acattttcag 240

catcttaata gtgaagctat catactgaag gaaaccatat gagaaaggga tatagaaagg 300

gcacccccttc tcttcatttc cctctaacac tgg 333

<210> 46
<211> 273
<212> DNA
<213> Homo sapien

<400> 46
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gtgtggtgtg tgtggtatgt agtatatgtg gtatgtggtg tgtgtcgtgt gtgtggtgga 120

tacacaactc tatactaaaa gccaatgagt tgtttactta aagtgggtga actttatgct 180

atacaaatta tatctcaata cagatttctt taagtcttca ggaagccctc tggtaaagaa 240

gtcagcctaa cccagccctg cactcatctg acc 273

<210> 47
<211> 1526
<212> DNA
<213> Homo sapien

<400> 47
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tcttctatta catatagcag tttagaagtc agactgttac cactgcagat aacgtttgat 180

tttcagcatt tctataaaat ttccataaaa attaaaaatt ttcttaaaac aaattaaaga 240

tatcaataag taaaaaagta tatatttgca atgcatatat ttgacaaaag attcatatcc 300

agaatacata aagagccctt acaaatcaat gacaaaagac atctaaaaga caaacaaaac 360

aagatgtaca atggccagtc aacatatatt gaaaagattc tcaatttcat tagtcatcag 420

agaaatgcaa aaggaaacca taatgagagg tcaccacatg atcaccacat tggctaaaat 480

aaaaaatacc aaaatgccaa gtgttggtga gaatgtaggg aaactggaac tcgtgtacac 540

tgctggtggg aatgcaaaat agtgcacctg ctttggaaaa gagtctggga gttcctctaa 600

aagctcaatg tagaattacc atatgaccca gcaattccac tcctctgtat agacccaaga 660

gaactgaaaa catatggtca aatacaactt gctcatgaat gtttataatg acgttattta 720

tgatagccaa aaagtggaaa caacccaaat gtccatcagt gcatacatgc aacaatgtgg 780

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aatgagtcca tctgtatgaa aagtcccaag aataggccaa tctatagagg cagaaggtaa 900

attagtggtt gtcaggggct aggaaggaag tggatgggaa atggctgcaa acagcatgag 960

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agtatgattt tgtctctttg aattcctact tctcaccacc cataatgtgg tgcacacata 1440

aatatctgta aatatgcagt tagaactttg catcactaat gagttaatta aactattcaa 1500

caaagccaaa aatacatatc atggtc 1526

<210> 48
<211> 962
<212> DNA
<213> Homo sapien

<220>
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<223> a, c, g or t

<400> 48
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ttaccacacc atgcgaaaga cacccatcga agcagcaaac caatagtccg aaaccgtggc 780

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<211> 1757
<212> DNA
<213> Homo sapien

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<221> misc_feature
<222> (609)..(609)
<223> a, c, g or t

<400> 49
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accatgcata gagagctggc gtactagcgg cgtccatgct agaaaacctc gacgtagacc 480

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atctatacnc ctcgccgtgt ttggttcggt gccccgcccc gttgaggcaa cataccctaa 660

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<210> 50
<211> 1670
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (293)..(293)
<223> a, c, g or t

<220>
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<222> (1029)..(1029)
<223> a, c, g or t

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agggatcatg catccgtcca ggcatactca tgtatccaag ctttatcatc attcaactac 180

acagcgtgct aatttgaagc ttatcttaga ttccgataat cccactggca acctagcttg 240

agtaatgagg cgcgcgcgag gagcgtaagg ccgttcgtgg cgttgtaatt gtntctcttg 300

aagcgcccac tcgcgtcgta tatttgcggc gcagtaatct ggtgcgtcca ctcatgtccc 360

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cggggcagac caggagcagc agacagcaca aacggaagac ggaagaggaa gtaacaccgg 1380

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gagcagggga gcgcgcgcag gatcgagacg ccacgagaag gagaaggcat cgaggagtag 1500

gaggcgccga ggcagaacac acgccacccg agaccagaac agcacgctca gtggacgcga 1560

cgagacacgc ggacagacga gacgaaacag aaggagtcct cgaacgcgga caggccagca 1620

aggccagaga gcgcagcgcg caccaaagaa gcgaagaaaa gggacacgta 1670

<210> 51
<211> 148
<212> DNA

<213> Homo sapien

<400> 51
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gtgttgaatg gatagcgtgg tcgcgacgag gtacttcctg ggtgggccaa gccaccccag 120

agagttatgt ttaccgagga ccctgaag 148

<210> 52
<211> 393
<212> DNA
<213> Homo sapien

<400> 52
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ccaaatagaa tgtccccggg ggagggaggc acttaagagg caccactaga ggggagagga 120

gaaagagggc acccctgggg aaagaagaaa tccaccaccc acaagaagac accaactctc 180

tccacaaaaa gagggctcca cacaatttga ttctcctaag gggaggacgc aggcgcaggg 240

ctccacggcc ttcaaaattt gtgggtgata taacgcgttc gaggatgtag aagggacccc 300

caagcctggg cggttaaact cagtgggctc aatagccgtg tttcccgtgg tggtgaaatt 360

gggttactcc ggctcaccaa ttccccaaca aat 393

<210> 53
<211> 574
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (156)..(156)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> a, c, g or t

<220>
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<222> (234)..(234)
<223> a, c, g or t

<220>
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<222> (237)..(238)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (299)..(300)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (343)..(344)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> a, c, g or t

<400> 53
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attgacgctg cggaggacaa catacgaact aggcantgtg aacgactgcg ctaaangtcg 180

tacttgttgg gctaagacgg gtgcgacttg acacngcgtc tcaacntcga cgancgnnta 240

gtgcatcctg cgctcagcgg ggggttgccg antggantag cactctcacc ctttaatann 300

gcttgngctg ctaatgtcac tggctgcact agcgttgtgt tcnncttgtg ctgaacactg 360

tgtttattcc tgcatcgagc aanttcgcat cgatcaacat aaggaaagcc actgcgctcc 420

actccggncg tcgacgaagt gtcacagcga gcagacgcag tacgaacgcc acaagcgagc 480

ccacccccgc agacgcgcgc ccgacacacc gacaccgcgc gccagccgcc acgcgccaac 540

cgcgcccacc acacccacac caccgcacca ggcc 574

<210> 54
<211> 1332
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (389)..(389)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (646)..(646)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (989)..(989)
<223> a, c, g or t

<400> 54
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cccgggtgct ccagttgtac gtgtagtgaa acttcgactt ttccacaaca ttggcaggca 180

cgaccatttt ccgtgtcgca tgggtggact atatggatca gcagtggagc tgacctgtcg 240

agcgtctagc actgaccttg actgggactc acctttcacg atcccacgtt ttgccattat 300

gtactacttc ttattgtgtt tactcctagg tagtagggct attgtccttg ggcgcacact 360

aaatgggcat agtatattgc aatcctcant tcatcacgtc aatacaggtg taattattag 420

ttctacaagt tgtggagtca cgttgtaaaa gagtgctact ctaagagaag cagaaatacg 480

ggtacgctga cttcacggtg ggtgttgatg cctcgccctt cgagcgactc tgttggcggg 540

cgactacgcg tacaagggac tatgcggaaa tcttccgcat gggcgtcatt tggcgataca 600

tacatagatt acaacgcgga gagaggagga agggggggttg gtacanaacg gacctttttcc 660

ctgtggattt acaactctcc aagattggta taactattta tgtctttcga ttttatacgc 720

ttgtatagtt ccgacatgag aatcttgttt cttattacac ggggggtcca aacaaaaact 780

ttactcaaac tagggaaatc agtctcgggg gggagggttc acaagggaac ccttaaggat 840

tggccttgga aaaaaacctg tgtggaacca aggaacatgg aacccccaaa gaaaggtata 900

gtttacctat tttacaattt ttttacatac tttcttataa acgcataccc caaattccta 960

tatcccccct tttttcaaaa gggcttaanc atgtggtaaa acagagggct acttaaacca 1020

accaatttta aagggtattt gggaccctat atttccctaa ttgaaacttt gtggagtttc 1080

ctatttcctt tccttttcgt tgacgtttct taaagggagt aaggtttcct tttaaattca 1140

aggtcccaat tccaagttta ttgtgtggcc tttgaataac tggaggggggg tttaacatgg 1200

ggggaaacgg ggatggggca gaaaaaacga ccaaaattta aaaaaaaaaa aggcttggcc 1260

gttattcatt gggtccataa gcttgttttc ccctgttgtt gaaatttggt atcccgcttc 1320

acaattcaca gt 1332

<210> 55
<211> 595
<212> DNA
<213> Homo sapien

<400> 55
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tctaatatca caatttaaga atgggagtag gagctgacaa ttggcacgta tatacaagtt 120

caagatagaa ccgaagtgat ggacacctct gacagataat ctttaatacg aaccataagt 180

gcaggtggga caaaaggtca gtatagcagt tttgtagggg agccccttgc acagcttccc 240

tggtaccacc atttgaacgc cttggcagca aagcgaactg tcaggactat ggcaacgcgg 300

tgtatcaact agcccaatta cagaagcagt atatcagcac gatccaccga aacacagggg 360

aataaacgcg gaaacagaac aaatatacaa acaaagtgca acaaaagcca aggaaccgga 420

aaaaacagag atgcaggagt taacaattag attacgaccc cgtagagaga tcaaaaacag 480

aacaccaaca aagtgagaaa ccaaaggatt aaaacgacgt cacaaaaaac ccggaccaac 540

tgaagacaac gaaaggaaag accgtcccca caaaggaaat aaaacgagat cacag 595

<210> 56
<211> 468

<212> DNA
<213> Homo sapien

<400> 56
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gtggcgcggc cgaggtactc cttcaacaag ggatcgaccc tagctactca ggaggctgag 120

gtggaataat tgtttgaggc caggagttcc agatcagccc gggcaacatc atgcgacccc 180

atctctaaaa acatcttttt aaaaatgagc caggtgtggt agcatgcacc cgtagtctca 240

gctactcagg agcctgaggc aggaggaagg tttcaacata ggagatcgag gctgctgtga 300

gctatgatcg tgctactgca ctccagcctg ggtgacacag caagttcctg tttccaaaca 360

acaacaagaa aacaaaacaa aaaaaagaaa aaaaaaaaaa aaaaaaggtt ggggtattgg 420

gcaagttccg gtggtggatt tttttcccgg ccatccccaa tttgaaac 468

<210> 57
<211> 499
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (243)..(243)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> a, c, g or t

<400> 57
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ccatcagcct gctcaatcga cttgggtagg ccgcgacgtg acaacaacct gaacggccag 120

acaagcccgc aagtcggaat cgatcttcca tggctacggg ccttgtggca cgagcacgct 180

ctagtgctac acgcgagcaa tcttcagcac gctagccact ggctagccac cgagagcacc 240

tgntctccgg ggagcagnca tttgaactcg taggcgagca acgtgagcac tcatcgagag 300

aacgggtcag ccgttgggcg ctaggtcact ggctcgatag gctgctcctc ctgttgctga 360

atagtgcttc tccgcttcac aggttccagc tacaacgaga cgagcagcct ttgaccaggc 420

aggtcaggct gacctggttc ttggtcagct catcccggga tgggggcagg gtgtacctcg 480

gccgcgacca cgctaagcc 499

<210> 58

<211> 424
<212> DNA
<213> Homo sapien

<400> 58
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tctaacattg tgacctctga agctgatcca acctgccctg cggcgtcccg aagagtgctc 120

gggattacta gcgcaacgag ccactatgcc tggacctcta ttgttcatgt acataccatg 180

ttcttacaga tagtgaaaat aggtcagata tcttagaaat aggtattccg tgttcgtaag 240

ttccgactgt ggatatgaat gcatatcttg gtgtattgtc tgcttgctca gataaatgat 300

tcatcgcaaa ccacgacaac ttggtccaat ggtgacgttg ttcatctttg actttaagac 360

aagatgcatg catagttcat atcactagag tccctttcaa gaacagaggc ctgctcgtta 420

catg 424

<210> 59
<211> 1264
<212> DNA
<213> Homo sapien

<400> 59
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acccgtggcc gaccagggcc attgaaagcc cgttccatac gtaaaatagg agaggacctc 120

aattgtttgt tttgagcaga ctttgcccgt cccagctgac catacgtgaa ctcggactta 180

cgcaacggcc cttccaagct caactactcc cacccaggct gggactacag gcacatgcca 240

ccacattcgc ctaatttttgt attttctgta gagacagagt ttcaccatgt tgcccaccct 300

ggtcttggaa ctcctgggct caagggatct gctggccttg gcctctcaaa gtgctggggt 360

tataggcatg agcctataac cctcaaatat cttaagaaaa gtaactgact gcagttgaaa 420

acaggtaatt gaaattgtgg taagtgaaac catggataaa gcgggactac tgtacatgct 480

cattaaaaaa aattaagggc caggcatggt ggccttacac ctgtagtcct agctactcag 540

gatgtctgag tcatggaatg actgcctgat tcccagtgtt gagctcgatg gcgtactatg 600

atctgtgatc acacaccact gcactccagc ctgcgtacca caagatcctg tctcaaaaaa 660

tatataaagt aaaaagagtg attttattta tttatgaaac agggtctcac tctgtcgccc 720

aggctggagt gcaatggcat gatcttggct cactgcagtc tccgcctctt gggttcaagc 780

gattctcttg cctcagcctc ctgagtagct gggactacag gcactcgcca ccatgcccag 840

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ttccgactgt ggatatgaat gcatatcttg gtgtattgtc tgcttgctca gataaatgat 1140

tcatcgcaaa ccacgacaac ttggtccaat ggtgacgttg ttcatctttg actttaagac 1200

aagatgcatg catagttcat atcactagag tccctttcaa gaacagaggc ctgctcgtta 1260

catg 1264

<210> 60
<211> 1512
<212> DNA
<213> Homo sapien

<400> 60
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ctgatgactg agctacaggc tacagtgagc taggctccca accggttctc aacattctgt 120

attgttggta taattattct cccagcactt ctatactatt gtctgcccgt agtgcctcgc 180

taagagagca catgctaggc tcagttatgc tcgaagcgag acatctagtg tcttcgacgc 240

agcggctata tagctggcta tcatcaaagt cccaggctct cgagcccaag aaggcctctg 300

ggcgctacac tccaatggat cgactatgca tgctcctcgc ctgctgttag aatagttggt 360

ctactccagc tccacaactc tcacacacaa caactacgga aggcaaggta cactcgctgc 420

gtccagcaga ccactgccgc catttaacgc gcaggccgag cctcaccacg acatgcctga 480

catcccccat agtcccaact tccatgctgc tactgacgct ctccacctta ttgtcccttg 540

ccaacactct aagccacttt tcctcgttca tcgccccccc aaacaacaca cacgcacatt 600

gttcgcctca ctcgcacagc gctcttgggc ccgctaaacg tcccattgcg ttccattaag 660

gccctcggtc ttcccatgct tgctgcaccc ttctggcttc tattctcgga cttccagcta 720

agtttcccta tccagccaca tcataccact cagtcatgca aatgccactc acccccgtca 780

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gcgcgccacc tcctcccact ccgccaccct tctaccccgc cctcgcctac ctctctacca 900

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gccattcaac tgcccccccac tccacaccac ctccgcccca cacacaacta ctcacccatc 1020

cgctccagcc actccacccc ctcacctcat aacaccccta gacccacacc cacgcccccc 1080

ccaccacgca tccactacac caccatatcc cccctcaaca ccacctcccc ccctctacac 1140

tcaaccctct cttccccacc ccctctccac caatacaacc cctctcaata ctcatacacc 1200

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catcactcta tactctaccc cccatcgctc tctccaccac ccccacgcac ccgccacacc 1320

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accacacaac ac 1512

<210> 61
<211> 775
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (12)..(12)
<223> a, c, g or t

<400> 61
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tcgttatgtt tgcccaggtt ggattgactt ggcgcaatct cggttcatta gaacctccac 120

ctcccgggtt acaccccatt ctccgtgcct aagccccccg aaatagcgtg ggaataacgg 180

gcccccgcaa accacgaccc ggttaaattt tggaaatatc tagttagaag acacgggttt 240

tcccccgttg tttgcccgag ggatggctct cgaatcctcc ttgacctttg tgaactccca 300

cccacctagg ccttccccaa agttgctggg atacaacgag gcgtgaacca ttgcccccgg 360

ccaaattcac agttccttat caaagaatat accccagatt aaaatctctg ttgattgata 420

accgataatc cccaatatta gtgtaaaaat tttacggaaa agtgttatcc taaatagacc 480

tcttaggcca aaataccagg tctgtatgag aggccatctg atgccctcaa tctgtccagt 540

acatctccca gaagacctgt aaaaatatac ccctttttttg gtggggcata tgaacttttt 600

caacgggagt agaatctcaa tgtgtagaac cagatgtccc tgaatggaaa atttggattc 660

ctaaaaagtg tgtcccttcc taattggctg tccctaattg gataattaaa tcctgtatta 720

tgaaaatctt gggcaaaacc tacagtttgc atattccatt accccatggt agttc 775

<210> 62
<211> 918
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (505)..(505)
<223> a, c, g or t

<400> 62
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gggagtataa agggcgcgaa gaggttataa gcgcgagaag agcccttgtg tggctataag 480

aaagagttct ctttctctac aaaanagagc ggctttattt attagatgtg tgaggcgagt 540

tattagaaaa gtcttttgtg aaaaagtgct ccctctgtta gagagagaga gagatattac 600

tacgtgtatg gtgcgcgcac gcgttgttgt gaaagatggt tgcgcgctat cgcggaaaag 660

gaatgtgggc acgattgttg atggccggtg ggggccccac gacacatatg agttatacat 720

gatgaggaga gagaatgtgt ttaacaggtc ctccccgggg gggggggggca gcgagaatta 780

ttatttgtag aacaatatgt gatagctgtt gtgcgccccc gccggtggtg ttaaaaaacg 840

cctctaggtg gggcggaaat aacacctccg agtgggggggc tccacaatag gcgcgttgtg 900

ttccccgcgg tggggtgg 918

<210> 63
<211> 807
<212> DNA
<213> Homo sapien

<400> 63
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tgggaggctg agccaggaga atcagttgaa ccaggagtca gaggttgcag tgagccccga 120

gatcgcgcca cagcactcca gcctggcaac acagcgagac tcccatcgga actaaacata 180

tataaaacaa aaaaaaaaag acgctggtgg cggttacctc gtgtggccat ggctgtgttt 240

cccgtggtgt gtggaaaatg gtttctctcc cgctccacaa aatccccact cacaaacttt 300

acgaagcaaa tgtccatgca caaatactga atctccaaat cgttatacat attttcgtga 360

tactgatacc tccaattaag gaacatgctt acacacggtt acagcattgc gaagtacgtg 420

aaatacttct cagagaacac gacggtagac ggcacgtaac acgagaaagc atcagagaga 480

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gacatagggt actcgcacgg aacctggtag atggcactag gaagaccatt gaaaagagct 600

taattagaat aactataaac tacacccact attgaaaacg ttcaatgtag ccccagcgat 660

cgatgacaac ggcggaaaga tgaacagtaa agcacacgga ggcttacatt tcctagcctt 720

gacttattta acctggacta taagaataaa aacaaaggca ggagagcagg caacaagaaa 780

tataccataa agcgagctag cgcccct 807

<210> 64
<211> 513
<212> DNA
<213> Homo sapien

<400> 64
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gtgatggatc caagaccagc ctggccaaga tggtgaaacc ccatctctac taaaaaatac 120

aaagagggag cttggcgtgg tagtgcgcac ctgtaatccc agctactcgg gaggctgagg 180

cagacaattg cttgaacccg agagacggag ggtgcagtga gccgagatcg tgctactgca 240

ctccagcctg ggcaacagag caagacgtcc gtctcaaaaa agaaagaaaa aaaaaaaaag 300

ctgggggcgt aatctcatgt ggctcattag ccgtgtttcc cgtggtgggt gagacattgg 360

cttattccgg cttcgacaat tctccaccac cagaacatta cccgcagacc agggggtgtg 420

ttcataggcg acgaaagagt aggagtagcc tgcatggtca tgccgatgcg atgaacatcg 480

ttataggcag atcacgtaca agtgacgtgt acc 513

<210> 65
<211> 432
<212> DNA
<213> Homo sapien

<400> 65
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agcgagatat cagactcaca tcaaagagca gagtaaatac gagtattatc cacgagaatc 120

acgggagaat aagcgcagga caagaaacca ctggtggaag caaagaaggc acagacaaga 180

aaggcaccag ggaaaacacg cgaagacaaa ggcccggcgc taggccttgc gcgatacaga 240

accgcaatca ggacatcccg cacacacacg catgaacaca gccaatcaac ccaacgaaaa 300

ttcgaaacgc agtccaagat ccgagacgga tggcggacga cccccgcaca ggagactaag 360

tagaaagcaa tacacaaggc agttggaccc cccgtggaag cgtccacatc atgagagcgt 420

actccactgt ac 432

<210> 66
<211> 457
<212> DNA
<213> Homo sapien

<400> 66
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aaaggaagaa actattcata catgcaacaa cttggatgga tttcaaggga attatgctga 120

atgaaaaaag atcagcctcg taagattaca ttctgtatga ttccattcat acaacattct 180

tgaaatgaca aaattacaga gatggaggac agaacagtgg tagccacagg ttggggtgag 240

ggtataagaa agggatgtgg ctgcggttgt aaaagggcag tgcaagggat ccatgtgaca 300

gaactgttct gtctcttgtg atggtggtca catgaatcta cacatgtgat aatattgcat 360

agaattaaat acacatacac gaaaaaagtt caagcagttg agcacaaata ttttaattgt 420

ctaaaatgac attttcttta agagttatct acagttc 457

<210> 67
<211> 2593
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (2340)..(2340)
<223> a, c, g or t

<400> 67
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tccacattcg gcgctttcta ggctccccgc ccggttttca gcccatgtcc tcccagttgc 120

cgccgcaggt gccaatggtg tgacagttaa cccgacagaa ctacttttat gcctcaggag 180

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gtaaccaaaa ttg 2593

<210> 68
<211> 1253
<212> DNA
<213> Homo sapien

<400> 68
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<210> 69
<211> 454
<212> DNA
<213> Homo sapien

<400> 69
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aaaaaagatc agcctcgtaa gattacattc tgtatgattc cattcataca acattcttga 180

aatgacaaaa ttacagagat ggaggacaga acagtggtag ccgcaggttg gggtgagggt 240

ataagaaagg gatgtggctg cggttgtaaa agggcagtgc aagggatcca tgtgacagaa 300

ctgttctgtc tcttgtgatg gtggtcacat gaatctacac atgtgataat attgcataga 360

attaaataca catacacgaa aaaagttcaa gcagttgagc acaaatattt taattgtcta 420

aaatgacatt ttctttaaga gttatctaca gttc 454

<210> 70
<211> 1722
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1696)..(1696)
<223>

<220>
<221> misc_feature
<222> (1696)..(1696)
<223> a, c, g or t

<400> 70
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<210> 71
<211> 623
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (477)..(477)
<223> a, c, g or t

<400> 71
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tgcctgtaat cccagctact caggaggctg aggcaggaga attacttgaa ctcggagggc 180

agaggttgca gtgagccgag atcgcaccac tgcactccag tctgagtgac agagtgagac 240

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attaattgtt cattttcaaa cctattttta agttattggg cttataacat ttttctgtct 360

ttcttatttt gttttttaaa agatttaccc cggaaagctt tggcgttaat ccatggtcat 420

agcttgtttc cctttggtgt gttgagacca tttttgttta tttccctggc tttccancta 480

aattttccac cacccaacct ctccgcaaga aaccaaaaaa tgggcgaaca cggcgcggaa 540

gaagaagcgc gtagacgggc gcagcggcag aggaacaaaa gcgagaacca gcaaggggaa 600

aaaaagggag agcaggcaaa ctg 623

<210> 72
<211> 1452
<212> DNA
<213> Homo sapien

<400> 72
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accaacctcc ct 1452

<210> 73
<211> 438
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (226)..(226)
<223> a, c, g or t

<400> 73
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aatctcactc atccaccact actctcctct tctactatcc tacccacaca tcaccactac 420

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<210> 74
<211> 239
<212> DNA
<213> Homo sapien

<400> 74
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<210> 75
<211> 1282
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (218)..(218)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> a, c, g or t

<400> 75
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<210> 76
<211> 1074
<212> DNA
<213> Homo sapien

<400> 76
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<210> 77
<211> 1343
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (452)..(452)
<223> a, c, g or t

<220>

<221> misc_feature
<222> (607)..(607)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (855)..(855)
<223> a, c, g or t

<400> 77
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cccgtggcag ttggcgagaa tgcaatgacg aggtcagcgc tggtataaag cagaactagc 180

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cagcggccac agcacagccc gcg 1343

<210> 78
<211> 1530
<212> DNA
<213> Homo sapien

<400> 78
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acacctcctg ctgtgtttaa cagaggagag agagctcctc ttgtggcggg cggtgtggtc 240

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gagacccgta gatatatatg tcgcacgaca cacctctctt gtgtggagtg tgtcggcgcc 360

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gaggactatg tgaacaacaa taaagagcgg cgggggggggg gagataaaca caccatagtg 1080

cgccgccaat agagagtgag ttaaccccgc gggtggtgtg agaacacatt gtgttatatc 1140

acgccggaca cacaaaaatt ccccccccaaa tagatataca gacagtaaat gaaaccacaa 1200

aacagtgaga tacaccatga caaagtaaca acagaccaca ataataacat agagcatgtt 1260

gaaagaaaca cacaactacc agctgtaaca aaacaataaa caaacagaga gacacaccac 1320

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caacacacac aagaaacagc acggagcaga ccagacagga ctgacgagca agcagcgaca 1440

aagtgagaca agaacagcag caacaatcac acgaacacga acaagaagcg taatgaagca 1500

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<210> 79
<211> 1428
<212> DNA
<213> Homo sapien

<400> 79
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caaaatgttg gaaagataga gggcggctgg ccatcaaagc tgggggggctt caggccaaaa 180

acagggagct ggagggaacg ccacaagggg agggacattt cctggcgagt tggcgtggaa 240

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atataacaca cgcacacgga gggagaaagc gtgtgggggg tgatattcac agtgggtcgc 360

atacgctgtg ttccctgggt gtgtgagaat atgtgtggta tatctcgcgg gctctcacca 420

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aaaagagaaa aagaaaaaaa aaacaaacga aaaacaaaaa acaaaaaaaa aaaaaacacc 660

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agacacaaag agacagaaca gaaaaagaaa aacaacaacc ccaaacagaa caaaacgacg 840

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<211> 1581
<212> DNA
<213> Homo sapien

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<223> a, c, g or t

<220>
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<223> a, c, g or t

<220>
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<222> (778)..(778)
<223> a, c, g or t

<400> 80
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gtgatctcac accccacacc ctctcgggca ctctcacaca aaaggtgtgc ggggagatat 420

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atgccaagcg aagagataat atgagatgca gcaagacaac agagaaaaga aacacacgaa 1500

cacaacaggc ggcacacagg agagacgcga caacaaacac tgcagcaaca actacgacca 1560

gcgagagcaa aaacagacaa c 1581

<210> 81
<211> 769
<212> DNA
<213> Homo sapien

<400> 81
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ctcttatcag aatacccgag gcatggcgga ccacttaagg tcaggagttc aagaccagcc 480

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atagtggcac acgcctgtaa tcccagctac tctggaggct gaggcaggag aattgcttga 600

acttgtggag gcagaagtta cagtgagccg agatcgcacc actacactcc aacctaggca 660

acagagcgag actccgtctc gaaaaaaaaa agatatcaaa aaaaaaaaag gttgggggta 720

acctgggcca tagtgtccct gtgtgaattg ttttccgccc catttccca 769

<210> 82
<211> 679
<212> DNA
<213> Homo sapien

<400> 82
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caccctcatc acccatatct catgttgcga ccatcgctga acctcatata tatatcgcca 480

gcgacgtgga gaacaccata aatccccctt acttcagcgg ggtgcccttc gcaaaagtct 540

tacaagtcta ttatcaacac gtacaagcgc accacacttc acttcacatc tcatataggg 600

cgtaataaca tttagttgct aaaatgtatc gagaagggaa gacatgcaat taagagtaaa 660

agtgcaattc ttttaagaa 679

<210> 83
<211> 1180
<212> DNA
<213> Homo sapien

<400> 83
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catgtgaggg tgtgttttcc ctcggtggtg aagtgagggt ttaagtgttg tgtaagtggt 180

gcggtgcggt gtgagtgtag acgccccatt gtggtgtgtg tggtggttaa attatgtgct 240

aagagaggca gtatattgag ggcgtgtgtg acacatagat gtgtgtgtgg aagtctccgt 300

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ttcacctaac ccaccgagaa gagagttctc ctcccagagg tgagggttta atatagggtg 420

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ctataaaaag aagctctcta tctacaaaag gaggggctat atatagtagg ggggagaaga 540

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ggcctccaat ataagcgcgt tggtgatacc ccgccgtggg ttggtgttgg cacaacaagg 900

tggtggcgtt attaaccatc cgcgggctct tctacaacca agatggtgcg tcccccagac 960

gagacaaaac atttggtggg ggggtggagg ctacaccaaa caaagtggag agtggggaga 1020

gagacacaga cagtaggcag atagggagag aagaggagta caaagacgag agagcaagag 1080

aaagatagaa gaagagagaa gaagagaggg gaagagaagg cagaaggcag acagcgcagg 1140

aagagaggcg aacaggcaag aaagacagca aagagacaga 1180

<210> 84
<211> 516
<212> DNA
<213> Homo sapien

<400> 84
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caccctacgg tgcgccactc ctggtcccga caccttacag cacaccggag tacctggccc 360

catcacccat cgggaacagg tggggtccta taccacaccg ttacggatac cccccgcggc 420

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gcctaggaaa ccaaaaacaa ttacacgaaa aatgaa 516

<210> 85
<211> 669
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (421)..(421)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (538)..(538)
<223> a, c, g or t

<400> 85
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cgtgagttct cgcgtggggg gtgaatagat gtgggttact cgcgctctcc aacaaatntc 540

ctccagcaac aaaccattac cccggaagca caaacggggg gcggcaaggg gagcaacaac 600

caagccaaca caacacaaag aggagaacaa ccaacaatat gcaacaacaa agcaacaaga 660

aaacaagaa 669

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<211> 371
<212> DNA
<213> Homo sapien

<400> 86
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<210> 87
<211> 998
<212> DNA
<213> Homo sapien

<220>
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<222> (332)..(415)
<223> a, c, g or t

<400> 87
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ttccccctgg cgtggcttta ctctcccctc ccggtccg 998

<210> 88
<211> 457
<212> DNA
<213> Homo sapien

<400> 88
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atgaaaaaag atcagcctcg taagattaca ttctgtatga ttccattcat acaacattct 180

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gaactgttct gtctcttgtg atggtggtca catgaatcta cacatgtgat aatattgcat 360

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ctaaaatgac attttcttta agagttatct acagttc 457

<210> 89
<211> 3100
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (49)..(49)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> a, c, g or t

<400> 89
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<210> 90
<211> 1304
<212> DNA
<213> Homo sapien

<400> 90
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<213> Homo sapien

<400> 91
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<212> DNA
<213> Homo sapien

<400> 93
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<212> DNA
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<223> a, c, g or t

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<223> a, c, g or t

<400> 94
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<211> 832
<212> DNA
<213> Homo sapien

<400> 97
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cgtgacaccg cactccagcc tgggcgacag agcgagactc catctcaaaa aaaaaacaga 180

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gaaaccaaac aaaagaagag acgagagaaa gcaaaagaag aggaaagcag agaaaggaaa 480

gaaagaaaaa aaagagatga ggaaagaaag caaagaaaga ggaaaacgac aaacaggaaa 540

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aacaagggaa gagaacaagg caaagaagga acaagaacaa gagaataagg aaaaaaaaac 660

aaaagagcaa aggaaaataa gagagaaaac aacaacaaaa aaaaacaaaa gaaaaagaac 720

gcacaagaga aaaaaaacta gagaaaaaca aaagaagaca aaaacaaaac gcaacaagaa 780

ccaaagaaaa gagcacacga gaacaaagca cgaaaacacc aaaaggaacc aa 832

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<211> 577
<212> DNA
<213> Homo sapien

<400> 98
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caacgacaga aacgagcggg gaaagaagaa gccggaagag ttcccaagcg aagagacagt 360

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aggggaccga gagacaaaga cgggaggcaa aggaaaaaag gaaagccaaa gaaggcagac 480

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aagcaagtac agaacgaaca gtaagagagc aacgaaa 577

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<212> DNA
<213> Homo sapien

<400> 99
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agaaggggga gtggggagag caaaacacaa ccaaaagaca aagaaggaga gaacaaaaat 1260

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<211> 1423
<212> DNA
<213> Homo sapien

<400> 100
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agaaaacaaa acaaaaaaaa aaacacatac ccacaaaaac caaacaacac aaacacaaaa 540

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aacatttccg ggcacaacga ggggggagaa ctcccccccа tgagaagggg ggggccgccg 1200

aggagatagc cgcagataaa taccaaactc tcaaatgaga atgaaaatta gtcaaccacc 1260

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aaactcg 1627

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<211> 936
<212> DNA
<213> Homo sapien

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<221> misc_feature
<222> (401)..(401)
<223> a, c, g or t

<400> 102
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catattctat agacaccatg atacctttga tctgcggcag tagacatagc gtcactagag 480

aagtaagaga ctttttgaag ctgcatgcac gagtatcggt caaagcgtat ggactgggtg 540

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cttgagagag tacatgggac agataaatat aacgtgtgtg gtcgtgtggt atattgcgtg 660

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gaatttccac tgggcgtcag tgtccgatat tggtttaaag acttgaacat cgagaaccga 780

atttgtttct gtagggcgta aagcacaggg gctgggttcc agcagagtta gtaccagacc 840

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<212> DNA
<213> Homo sapien

<400> 103
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ccaccaacaa tatacgacga caaaaagggg cgagcggagg agcgggcccc gaaccggcga 480

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<210> 104
<211> 702
<212> DNA
<213> Homo sapien

<400> 104
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acaatggact agaacaagta gaagaatgaa ctacagaact cgaagacaag gctctggaat 600

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<210> 105
<211> 433
<212> DNA
<213> Homo sapien

<400> 105
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tttgctcttg ccaaagcacg ttctgtgatt tggtgcttct agtttgcttg ttttcatttt 300

aagaaccaga cacttctctc aaatcctttt tttaaagatg gaggtataga taagtgaatt 360

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<211> 2667
<212> DNA
<213> Homo sapien

<400> 106
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<210> 107
<211> 718
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (611)..(611)
<223> a, c, g or t

<400> 107
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ctcatccgtc ccaaccacaa gggcaatcaa agcccttctc cctgcgactc aataacaacc 180

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aagaatgagg gaaaaaaaac aaggaaaaaa aacaagaaga acacacggag gagagagaga 300

agagaaaaaa cggagacaaa gagacacaaa cgacacaaca gagacacgag agcacgaaac 360

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caggaggcca gagaagcaca caacacaggc gaaggagaag aagcaggacg gagaacgggg 540

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gagccaaagc nagaagagga acgaagaaga gcgaacgacg acgaacacgc gcgcagaccg 660

caaggaagag aacggaacaa gagaagcagc agagaaacga gaaacagaag agagaagg 718

<210> 108
<211> 2112
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (2005)..(2005)
<223> a, c, g or t

<400> 108
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tccagctcag ggacaatggc caccttgact atcagtgggg cccaggtgga ggatgaagct 480

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caacagcgcg agcacaggaa caagaagacc agaagagcaa ggaagacgag ctagcggcca 1860

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agacagagac agcagagcca aagcnagaag aggaacgaag aagagcgaac gacgacgaac 2040

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gaagagagaa gg 2112

<210> 109
<211> 2168

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1144)..(1144)
<223> a, c, g or t

<400> 109
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actaaaacaa ccacatgcag cacccataac agatgcaaca tgcaaagcac caaacaggga 480

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gataagcg 2168

<210> 110
<211> 959
<212> DNA
<213> Homo sapien

<400> 110
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<210> 111
<211> 815
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (206)..(305)
<223> a, c, g or t

<400> 111
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nnnnnagcgc ggggagctaa gggagtaaga ctaagtggaa agagaagtaa gaagtagaac 360

atgacgatgg agaggataac taaaagaaga gaaagagcat gaagtagaca agaattgaat 420

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cggaggagga gaacgaaaaa gaagtcagaa gaaaacaaaa aacgagagaa taacagaaat 600

caacacagca acaagagagc agacaaggca agagcaaaag aaacacaagc aacagagaga 660

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gaagcgggcg agaaacaaga aaagagaggc caggg 815

<210> 112
<211> 736
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (439)..(439)
<223> a, c, g or t

<400> 112

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ttaaattcca ttaaatttaa ttctcagatt tatttggaga aggaaggtaa gattttctta 300

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caatatgctg gatcca 736

<210> 113
<211> 588
<212> DNA
<213> Homo sapien

<400> 113
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acgcaaacgc atactcgggg cccaagcgga ggtgaaggtc agaagaataa aaagagagaa 480

gcgagcgagc agcggtcgag cgagagaaaa gcagacacaa acaacagcca accaaggaag 540

ggagcagaag aaaacgaaag aggagaaaca aaggcaaaga aagacaaa 588

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<211> 1098
<212> DNA
<213> Homo sapien

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<221> misc_feature
<222> (327)..(327)
<223> a, c, g or t

<220>
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<222> (342)..(342)
<223> a, c, g or t

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<221> misc_feature
<222> (471)..(471)
<223> a, c, g or t

<400> 114
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ctcaagaaga ccccgattca tcgaatgagt actgacattc ttcgtctaca cgggcggttg 180

cgaccaccaa aggttccctg gaggagaaca tggcgcattc tgcctcgtca cggcacatgc 240

gaaggatggg ccttagcagg caagatgcac ggccgagagc gaagtgccga gaggccagtg 300

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gggttaacgc cgcagagtat cccagatggg ctggtcatgc ccgcatatgc ctcgactcga 420

ctttggccgt acagttgctc cacgcccgaa gcttggctgt aagtcagtgg ntcatagcat 480

gtttccctgt gtgaaagttg ttagtccgct tcacaagttc catcacaaca taccggagca 540

tggcgcatct tgagtaacgg cctctgtgat gaggcttagc atcagctatt tgcgtgctga 600

ggaaaacata tctggactgc tggtgcatac cggcactatc gaaagactga cactgaaaag 660

caacagactg acatggccac aacactaccg gaacagccct agcgcatgcg ataaaggtat 720

catagggtat cgtcaacagc atgcatgcgt gaaccatgga tataccatat aactggaata 780

atggtgaaac acaatacaat ggggaattta actccagatc acgacactaa cctgggacac 840

cgaaggaata cggagatttt aactaccaat cacatggttg aacccataga aaaggcaaca 900

tgaagcaagc aagactggcc ataccaacca acacaggaaa cagggcgccc atggcggaac 960

aacaaagggg ccacaaccac agcacacacg acaaccaggc gcaccaccac gggccggtca 1020

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<210> 115

<211> 816
<212> DNA
<213> Homo sapien

<400> 115
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ctggtctgtt ttccggaagc tccgtgcacg tctgtattac agcctcgcag agtctccaaa 360

cccactctcc aagtgcggca gcgtgaatta taggcgaggc tatgtgtagc acgcctacca 420

cggagccctg cacacagatg gtggttatct acccctcgtg tgcacaccat gttttgtgg 480

cgcctcgctg agcttattgt ggttaacaga aggtgctctt ggtcgcaatt agtgtacaac 540

gcttggagct ctaacctttt ttgtgtggta acacccgtgg tattttgcat gtgaagagaa 600

cgggtccatt ataaaggcga gagaaaagta agacctgttt gtcactattt ctgtttccat 660

gtgtaaccgt tgtttttttc cccccaaaat taaccgactt tttttacttt tgcaaaaaaa 720

aaaaaaaaag gtcttggggt aaccacaggg ccaaacgggg tccccgggga aaatttttt 780

accgggacac aattccccaa tacttagaaa aaaaac 816

<210> 116
<211> 33
<212> PRT
<213> Homo sapien

<400> 116

Met Leu Val Ala Asp Phe Phe Phe Thr Gln Asn Lys Val Gly Arg Cys
1 5 10 15

Thr Cys His Val Glu Tyr Leu Lys Lys Thr Lys Cys Leu Phe Lys Arg
20 25 30

Glu

<210> 117
<211> 18
<212> PRT
<213> Homo sapien

<400> 117

```
Met Ile Leu Asp Ile Cys Leu Tyr Ala Ile Met Ala Tyr Val Met Ile
1               5                  10                  15

Met Asn
```

<210> 118
<211> 52
<212> PRT
<213> Homo sapien

<400> 118

```
Met Thr His Val Cys Ala Thr Ala Leu Gln Pro Gly Arg Gln Ser Glu
1               5                  10                  15

Thr Pro Ser Gln Lys Thr Lys Thr Lys Gln Asn Glu Thr Ile Asn Lys
            20                  25                  30

Val Thr Asp Asn Leu Gln Asn Gly Arg Lys Tyr Leu Pro Thr Met His
        35                  40                  45

Pro Thr Lys Ile
    50
```

<210> 119
<211> 192
<212> PRT
<213> Homo sapien

<400> 119

```
Lys Ala Asn Asn Ala Gln Ser Asn Arg Gln Pro Thr Glu Trp Ala Lys
1               5                  10                  15

Ile Phe Ala Asn Tyr Ala Ser Asn Lys Asp Leu Ile Ser Arg Ile Tyr
            20                  25                  30

Lys Lys Leu Gln Lys Ile Tyr Lys Arg Lys Thr Ser Asn Pro Leu Lys
        35                  40                  45

Arg Lys Trp Ala Lys Asn Met Asn His Ile Ser Lys Glu Asp Ile Tyr
    50                  55                  60

Ala Phe Lys Lys His Ile Lys Asn His Ser Ser Ser Leu Ile Thr Thr
65                  70                  75                  80
```

Glu Val His Tyr His Leu Thr Pro Val Arg Met Ala Val Thr Arg Lys
85 90 95

Ser Ile Asn Asn Arg Cys Trp Gln Gly Cys Gly Glu Asn Gly Thr Ile
100 105 110

His Cys Trp Trp Glu Cys Lys Leu Val Ala Pro Leu Trp Lys Ala Gly
115 120 125

Trp Ala Phe Leu Lys Glu Leu Arg Ile Thr Ile Gln Leu Ser Asn Pro
130 135 140

Ile Ile Pro Lys Gly Met His Ile Pro Arg Lys Tyr Lys Ser Leu Tyr
145 150 155 160

His Lys Gly Thr Cys Thr Cys Met Ser Ile Ala Ala Leu Phe Thr Ile
165 170 175

Ala Lys Ile Arg Asn Gln Pro Lys Cys Ala Leu Ile Ile Gly Trp Leu
180 185 190

<210> 120
<211> 99
<212> PRT
<213> Homo sapien

<400> 120

Met Ser His Ile Cys Ile Tyr Thr Lys Lys Leu Gly Arg Arg Thr Tyr
1 5 10 15

Tyr Ser Pro Pro Thr Ser Gly Val Arg Gln Arg Gly Glu Arg Glu Gly
20 25 30

Thr Pro His Gln Arg Val Pro Thr Pro Gly Glu Asp Thr Glu Arg Ile
35 40 45

Pro Thr Pro Glu Asp Arg Gln Pro Arg Arg His Ile Tyr Val Gly His
50 55 60

Asn Lys Asp Thr Gln Glu Asn Ala His His Ser Ser Asn Tyr Ala Arg
65 70 75 80

Arg Arg Arg Arg Lys Lys Glu Pro Ser Gly Arg Thr Gly Glu Thr Asn
85 90 95

Leu Arg His

<210> 121
<211> 21
<212> PRT
<213> Homo sapien

<400> 121

Met Gly Gln Asn Trp Met Asp Leu Leu Lys Gly Asn Ile Glu Gln Asp
1 5 10 15

Asp Glu Leu Ser Lys
20

<210> 122
<211> 79
<212> PRT
<213> Homo sapien

<400> 122

Met Phe Leu Val Ser Ser Phe Asp Ile Val Leu Phe Ser Cys Leu Phe
1 5 10 15

Leu Arg Pro Leu Val Leu Cys Cys Pro Phe Ser Pro Ser Ser Tyr Val
20 25 30

Gly Leu Cys Gly Val Tyr Phe Pro Val Leu Phe Leu Thr Ile Arg Phe
35 40 45

Val Phe Phe Phe Phe Phe Val Ser Pro Phe Ser Cys Phe Leu Phe Leu
50 55 60

Arg Leu Cys Ser Ala Val Val Pro Leu Val Gly Ile Val Cys Leu
65 70 75

<210> 123
<211> 27
<212> PRT
<213> Homo sapien

<400> 123

Met Val Phe Lys Pro Val His Asn Thr Val Leu Gln Phe Ser Glu Leu
1 5 10 15

Pro Pro Thr Gly Ile Ile Ile Pro Gln Tyr Pro
20 25

<210> 124
<211> 54
<212> PRT
<213> Homo sapien

<400> 124

Met Phe Arg Pro Gly Phe Gly Tyr Tyr Ile Asn Pro Pro Gly Pro Pro
1 5 10 15

Pro Asn Pro Ala Ser Val Asn Arg Ala Asn Thr Leu Glu Asp Arg Asp
20 25 30

Lys Asn Phe Glu His Leu Phe Gly Gln Leu Leu Lys Glu Phe Leu Phe
35 40 45

Pro His Thr Ser Pro Gln
50

<210> 125
<211> 91
<212> PRT
<213> Homo sapien

<400> 125

Met Cys Phe Ser Val Thr Phe Ser Ser Ser Val Gly Leu Ser Phe Cys
1 5 10 15

Val Ile Ser Ser Phe Leu Leu Ser Cys Cys Ser Leu Ser Ser Trp Leu
20 25 30

Leu Ser Val Phe Ser Thr Arg Cys Cys Leu Glu Ser Val Gly Ser Gly
35 40 45

Leu Leu Leu Ala Phe Trp Thr Gly Pro Asp Thr Gln Leu His Pro Gly
50 55 60

Thr Ser Leu Trp Pro Arg Thr Thr Pro Arg Leu Leu Gln Glu Ala Leu
65 70 75 80

Pro Asn Leu Gln Val Asn Arg Phe Arg Asn Ser
85 90

<210> 126
<211> 53
<212> PRT

<213> Homo sapien

<400> 126

Met Leu Phe Lys Pro Leu Gly Lys Cys Ile Ser His Leu Thr Leu His
1 5 10 15

Glu Leu Leu Gln Gly Leu Gln Gly Leu Thr Leu Leu Pro Pro Gly Ser
20 25 30

Ser Glu Arg Pro Val Thr Val Val Leu Gln Asn Gln Val Thr Cys Leu
35 40 45

Gly Gly Phe Phe Pro
50

<210> 127
<211> 37
<212> PRT
<213> Homo sapien

<400> 127

Met Leu Leu Glu Arg Arg Ser Val Met Asp Trp Ser Arg Pro Arg Tyr
1 5 10 15

Phe Leu Tyr Pro Asp Ile Asn Leu Met Cys Cys Asn Leu Phe Asp Met
20 25 30

Ile Ser Tyr Lys Ile
35

<210> 128
<211> 50
<212> PRT
<213> Homo sapien

<400> 128

Met Tyr His Arg Glu Ile Val Pro Val Tyr Glu Val Leu Ser Val Ile
1 5 10 15

Thr Gly Leu Gln Ile Gln Val Phe Ser Gly Lys Glu Ala Asp Ser Val
20 25 30

Ile Lys Arg Ser Ile Gly Trp Gly Pro Phe Phe Lys Pro Arg Cys Tyr
35 40 45

Asn Pro

50

<210> 129
<211> 26
<212> PRT
<213> Homo sapien

<400> 129

Met Ala Arg Pro Gly Cys Arg Ile Pro Ile Gly Tyr Leu Pro Cys Ile
1 5 10 15

Ala Val Leu Phe Tyr Gly Phe Leu Val Leu
20 25

<210> 130
<211> 68
<212> PRT
<213> Homo sapien

<400> 130

Met Thr Ser Gln Gly Leu Ser Leu Leu Ser Gln Ser Gly Phe Phe Leu
1 5 10 15

Leu Phe Leu Ile Glu Ile Ser Leu Ala Leu Leu Pro Lys Leu Ser Arg
20 25 30

Thr Pro Gly Pro Gln Ala Ile Pro Arg Cys Pro Arg Ala Leu Pro Pro
35 40 45

Gln Ser Cys Trp Gly Leu Met Gly Val Ser His His Ser Gln Pro Gly
50 55 60

Lys Ser Val Ser
65

<210> 131
<211> 86
<212> PRT
<213> Homo sapien

<400> 131

Met Arg Met Trp Tyr Ser Arg Gly Thr Tyr Ser His His Ile Thr His
1 5 10 15

Leu Val Ala His Thr Pro Gln Glu Ala Ser Ala Phe Gly Arg Gly Gly
20 25 30

```
Ser Leu Ile Phe Tyr Lys Pro Val Gly Asp Ile Ser Arg Cys Gly Ala
        35                  40                  45

His Ile Ser Ala Val Cys Ser Ala Val Val Cys Glu Asn Val Trp Tyr
    50                  55                  60

Ile Ser Arg Leu Ser Pro Asn Ser Pro Pro His Lys Ile Arg Arg Thr
65                  70                  75                  80

Thr Lys Lys Gly Gly Gly
                85
```

<210> 132
<211> 111
<212> PRT
<213> Homo sapien

<400> 132

```
Met Ile Ser Gly Arg Glu Asn Val Lys Lys Asn Ile Asn Glu Ala Arg
1               5                   10                  15

Gly Gly Arg Arg Ile Lys Leu Arg Gly Gly Ser Thr Ile Glu Ala Pro
            20                  25                  30

Lys Met Tyr Pro Ala Gly Val Val Ala Ala Pro Leu Phe Val Val Val
        35                  40                  45

Ile Ser Pro Gly Leu Pro Thr His Ile Ser Pro Pro His Asn Gln Leu
    50                  55                  60

Asp Arg Thr Gln Thr Thr Gln Asn Thr Thr Lys Gln Thr Thr Ser Lys
65                  70                  75                  80

Lys Asp Glu Pro Asn Gln Arg His Arg Asn Thr Thr Asn His Lys Thr
                85                  90                  95

Thr His Gln Gln Asn His Thr Thr Pro His Pro Tyr Arg Asn Lys
            100                 105                 110
```

<210> 133
<211> 36
<212> PRT
<213> Homo sapien

<400> 133

Met Thr Phe Gln Gln Cys Ala His Thr Leu Ala Glu Ser Ile Trp Ile
1 5 10 15

Phe Ser Asp Val Gln Gly Phe Ala Thr Pro His Leu Phe Leu Arg Ser
20 25 30

Tyr Leu Ala Met
35

<210> 134
<211> 35
<212> PRT
<213> Homo sapien

<400> 134

Met Leu His Val Asn Arg Val Leu Cys Leu Val Ala Ser Pro Gly His
1 5 10 15

Glu Arg Gln Ser Glu Thr Leu Ser Gln Lys Gln Lys Lys Lys Phe Leu
20 25 30

Leu Leu Pro
35

<210> 135
<211> 94
<212> PRT
<213> Homo sapien

<400> 135

His Pro His Thr Arg Leu Asp Val Cys Val Cys Leu Cys Val Cys Met
1 5 10 15

Cys Val Cys Met Cys Val Glu Thr Gly Phe Arg His Val Ala Arg Val
20 25 30

Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Arg Asp Trp
35 40 45

Val Ser Pro Cys Ala Gln Val Cys Ala Cys Val Cys Val Cys Val Cys
50 55 60

Val Gly Thr Gly Phe His His Val Ala Gln Val Cys Val Cys Val Cys
65 70 75 80

Arg Asp Trp Val Ser Pro Cys Cys Pro Gly Val Cys Val Cys

85 90

<210> 136
<211> 66
<212> PRT
<213> Homo sapien

<400> 136

Met Leu Val Gly Trp Phe Phe Val Phe Val Leu Val Cys Gly Glu Thr
1 5 10 15

Gly Phe Cys Cys Phe Pro Gly Tyr Ser Lys Val Leu Gly Ser Ala Cys
20 25 30

Ile Ser Leu Pro Gly Ser Trp Asp Tyr Arg Arg Glu Pro Leu Cys Pro
35 40 45

Ala Leu Arg Asn Asn Phe Leu His Leu His Ser Ser Asp Ser Trp Phe
50 55 60

Val Pro
65

<210> 137
<211> 137
<212> PRT
<213> Homo sapien

<400> 137

Met Asp Val Ala Asp Glu Val Ile Leu Val Ile Glu Leu Gln Lys Leu
1 5 10 15

Leu Val Asp Phe Phe Phe Phe Phe Phe Phe Phe Trp Lys Arg Phe Leu
20 25 30

Pro Leu Ser Pro Gly Trp Leu Arg Gly Cys Leu Gly Leu Asp Pro Arg
35 40 45

Pro Pro Gly Ala Val Ile Ser Leu Pro His Phe Pro Leu Leu Gly Leu
50 55 60

Arg Ala Cys Thr Thr Thr Pro Ser Tyr Phe Trp Tyr Phe Ile Ala Glu
65 70 75 80

Thr Gly Phe Pro Ser Val Gly Arg Ala Trp Phe Ser Asn Phe Pro Thr
85 90 95

Leu Lys Leu Thr Ser Ala Leu Leu Gly Pro Ser Gln Ser Cys Val Gly
100 105 110

Leu Pro Gly Val Glu Pro Arg Pro Trp Pro Pro Ile Phe Pro Leu Ser
115 120 125

Ile Asn Ser Asn Ser Trp Pro Ser Leu
130 135

<210> 138
<211> 61
<212> PRT
<213> Homo sapien

<400> 138

Met Asp His Glu Leu Pro Pro Asp Phe Ile Val Gly Gly Leu Pro Leu
1 5 10 15

Lys Lys Leu Gln Pro Thr Gln Pro Phe Tyr Lys Thr Cys Leu Val Leu
20 25 30

Pro Leu Arg Ser Phe Pro Ser Asn Leu Cys Phe Ser Pro Cys Ser Pro
35 40 45

Pro Tyr Glu Phe Ser Asn Phe Ser Ser Ser Ser Pro Val
50 55 60

<210> 139
<211> 41
<212> PRT
<213> Homo sapien

<400> 139

Met Pro Pro Gly Ile Phe Ser Pro Ser Phe Pro Phe Phe Ser Leu Ser
1 5 10 15

His Ser Glu Ala Val Gly Ser Phe Asp Glu His Ile Pro Ser Thr Gly
20 25 30

Gln Glu Ser Cys Cys Leu Ser Ile Trp
35 40

<210> 140
<211> 39
<212> PRT

<213> Homo sapien

<400> 140

Met Leu His Thr Ala Gly Cys Arg Asn Ala Ser Arg Gly Gly Ala Asp
1 5 10 15

Thr Phe Arg Val Asp Arg Glu Arg Gly Leu Pro His Thr Asp Ser Gly
20 25 30

Lys Ser Gln Gln Ser His Met
35

<210> 141
<211> 51
<212> PRT
<213> Homo sapien

<400> 141

Met Leu Pro Cys Arg Lys Ile Pro Ile Thr His His Val Ser Gln Cys
1 5 10 15

Cys Val Trp Arg Pro Gly Phe Val Pro Leu Pro Arg Ile Ala Val Ala
20 25 30

Asp Ile His Arg Asp Pro His Met Asp Val Cys Met Lys Ile Pro Leu
35 40 45

His Arg His
50

<210> 142
<211> 40
<212> PRT
<213> Homo sapien

<400> 142

Met Leu Ala Asp Leu Ala Leu Ser Ser Ala Thr Ser Ser Thr Pro Val
1 5 10 15

Ser Glu Ala Arg Asn Leu His Cys Ser Ser Glu Leu Pro Gln Asn Asp
20 25 30

Val Leu Leu Ser Lys Glu Asn Ser
35 40

<210> 143

<211> 192
<212> PRT
<213> Homo sapien

<400> 143

Pro Gln Lys Arg Lys Arg Gly Ala Glu Val Leu Thr Ala Gln Phe Val
1 5 10 15

Gln Lys Thr Lys Leu Asp Arg Lys Asn Gln Glu Ala Pro Ile Ser Lys
20 25 30

Asp Val Pro Val Pro Thr Asn Ala Lys Arg Ala Arg Lys Gln Glu Lys
35 40 45

Ser Pro Val Lys Thr Val Pro Arg Ala Lys Pro Pro Val Lys Lys Ser
50 55 60

Pro Gln Lys Gln Arg Val Asn Ile Val Lys Gly Asn Glu Asn Pro Arg
65 70 75 80

Asn Arg Lys Gln Leu Gln Pro Val Lys Gly Glu Leu Ala Ser Lys Leu
85 90 95

Gln Ser Glu Ile Ser Arg Gly Cys Gln Glu Asp Gly Ile Ser Ile Asn
100 105 110

Ser Val Gln Pro Glu Asn Thr Thr Ala Ala His Asn Asp Leu Pro Glu
115 120 125

Asn Ser Ile Val Asn Tyr Asp Ser Gln Ala Leu Asn Met Leu Ala Asp
130 135 140

Leu Ala Leu Ser Ser Ala Thr Ser Ser Thr Pro Val Ser Glu Ala Arg
145 150 155 160

Asn Leu His Cys Ser Ser Glu Leu Pro Gln Asn Asp Val Leu Leu Ser
165 170 175

Lys Glu Asn Ser Leu Arg Gly Thr Ser Asp His Glu Tyr His Arg Gly
180 185 190

<210> 144
<211> 24
<212> PRT
<213> Homo sapien

<400> 144

Met Leu Pro Leu Gly Phe Leu Phe Gln Gln His Gly Val Lys Arg Arg
1 5 10 15

Ile Asn Leu Leu Cys Leu Leu Lys
20

<210> 145
<211> 733
<212> PRT
<213> Homo sapien

<400> 145

Met Val Met Lys Ala Ser Val Asp Asp Asp Asp Ser Gly Trp Glu Leu
1 5 10 15

Ser Met Pro Glu Lys Met Glu Lys Ser Asn Thr Asn Trp Val Asp Ile
20 25 30

Thr Gln Asp Phe Glu Glu Ala Cys Arg Glu Leu Lys Leu Gly Glu Leu
35 40 45

Leu His Asp Lys Leu Phe Gly Leu Phe Glu Ala Met Ser Ala Ile Glu
50 55 60

Met Met Asp Pro Lys Met Asp Ala Gly Met Ile Gly Asn Gln Val Asn
65 70 75 80

Arg Lys Val Leu Asn Phe Glu Gln Ala Ile Lys Asp Gly Thr Ile Lys
85 90 95

Ile Lys Asp Leu Thr Leu Pro Glu Leu Ile Gly Ile Met Asp Thr Cys
100 105 110

Phe Cys Cys Leu Ile Thr Trp Leu Glu Gly His Ser Leu Ala Gln Thr
115 120 125

Val Phe Thr Cys Leu Tyr Ile His Asn Pro Asp Phe Ile Glu Asp Pro
130 135 140

Ala Met Lys Ala Phe Ala Leu Gly Ile Leu Lys Ile Cys Asp Ile Ala
145 150 155 160

Arg Glu Lys Val Asn Lys Ala Ala Val Phe Glu Glu Glu Asp Phe Gln
165 170 175

Ser Met Thr Tyr Gly Phe Lys Met Ala Asn Ser Val Thr Asp Leu Arg
180 185 190

Val Thr Gly Met Leu Lys Asp Val Glu Asp Asp Met Gln Arg Arg Val
195 200 205

Lys Ser Thr Arg Ser Arg Gln Gly Glu Glu Arg Asp Pro Glu Val Glu
210 215 220

Leu Glu His Gln Gln Cys Leu Ala Val Phe Ser Arg Val Lys Phe Thr
225 230 235 240

Arg Val Leu Leu Thr Val Leu Ile Ala Phe Thr Lys Lys Glu Thr Ser
245 250 255

Ala Val Ala Glu Ala Gln Lys Leu Met Val Gln Ala Ala Asp Leu Leu
260 265 270

Ser Ala Ile His Asn Ser Leu His His Gly Ile Gln Ala Gln Asn Asp
275 280 285

Thr Thr Lys Gly Asp His Pro Ile Met Met Gly Phe Glu Pro Leu Val
290 295 300

Asn Gln Arg Leu Leu Pro Pro Thr Phe Pro Arg Tyr Ala Lys Ile Ile
305 310 315 320

Lys Arg Glu Glu Met Val Asn Tyr Phe Ala Arg Leu Ile Asp Arg Ile
325 330 335

Lys Thr Val Cys Glu Val Val Asn Leu Thr Asn Leu His Cys Ile Leu
340 345 350

Asp Phe Phe Cys Glu Phe Ser Glu Gln Ser Pro Cys Val Leu Ser Arg
355 360 365

Ser Leu Leu Gln Thr Thr Phe Leu Val Asp Asn Lys Lys Val Phe Gly
370 375 380

Thr His Leu Met Gln Asp Met Val Lys Asp Ala Leu Arg Ser Phe Val
385 390 395 400

Asp Pro Pro Val Leu Ser Pro Lys Cys Tyr Leu Tyr Asn Asn His Gln

405 410 415

Ala Lys Asp Cys Ile Asp Ser Phe Val Thr His Cys Val Arg Pro Phe
420 425 430

Cys Ser Leu Ile Gln Ile His Gly His Asn Arg Ala Arg Gln Arg Asp
435 440 445

Lys Leu Gly His Ile Leu Glu Glu Phe Ala Thr Leu Gln Asp Glu Phe
450 455 460

Met Thr Phe Tyr Phe Asn Arg Ala Glu Lys Val Asp Ala Ala Leu His
465 470 475 480

Thr Met Leu Leu Lys Gln Glu Pro Gln Arg Gln His Leu Ala Cys Leu
485 490 495

Gly Thr Trp Val Leu Tyr His Asn Leu Arg Ile Met Ile Gln Tyr Leu
500 505 510

Leu Ser Gly Phe Glu Leu Glu Leu Tyr Ser Met His Glu Tyr Tyr Tyr
515 520 525

Ile Tyr Trp Tyr Leu Ser Glu Phe Leu Tyr Ala Trp Leu Met Ser Thr
530 535 540

Leu Ser Arg Ala Asp Gly Ser Gln Met Ala Glu Glu Arg Ile Met Glu
545 550 555 560

Glu Gln Gln Lys Gly Arg Ser Ser Lys Lys Thr Lys Lys Lys Lys Lys
565 570 575

Val Arg Pro Leu Ser Arg Glu Ile Thr Met Ser Gln Ala Tyr Gln Asn
580 585 590

Met Cys Ala Gly Met Phe Lys Thr Met Val Ala Phe Asp Met Asp Gly
595 600 605

Lys Val Arg Lys Pro Lys Phe Glu Leu Asp Ser Glu Gln Val Arg Tyr
610 615 620

Glu His Arg Phe Ala Pro Phe Asn Ser Val Met Thr Pro Pro Pro Val
625 630 635 640

His Tyr Leu Gln Phe Lys Glu Met Ser Asp Leu Asn Lys Tyr Ser Pro
645 650 655

Pro Pro Gln Ser Pro Glu Leu Tyr Val Ala Ala Ser Lys His Phe Gln
660 665 670

Gln Ala Lys Met Ile Leu Glu Asn Ile Pro Asn Pro Asp His Glu Val
675 680 685

Asn Arg Ile Leu Lys Val Ala Lys Pro Asn Phe Val Val Met Lys Leu
690 695 700

Leu Ala Gly Gly His Lys Lys Glu Ser Lys Val Pro Pro Glu Phe Asp
705 710 715 720

Phe Ser Ala His Lys Tyr Phe Pro Val Val Lys Leu Val
725 730

<210> 146
<211> 177
<212> PRT
<213> Homo sapien

<400> 146

Met Phe Phe Cys Val Gly Gly Tyr His Leu Val Phe Ser Arg Ser Ala
1 5 10 15

Phe Phe Val Arg Gly Arg Cys Gly Gly Phe Ser Arg Arg Leu Leu Ala
20 25 30

Leu Ser Val Ala Gly Leu Gly Val Gly Leu Ser Gly Val Phe Met Val
35 40 45

Asp Ala Gly Trp Phe Ile Arg Ser Ser Gly Leu Leu Leu Phe Phe Cys
50 55 60

Leu Phe Ser Ser Arg Leu Phe Ser Pro Ser Cys Ser Leu Arg Pro Arg
65 70 75 80

Ser Leu Leu Cys Ala Ala Val Ala Ser His Val Cys Pro Arg Arg Cys
85 90 95

Val Phe Trp Ser Phe Ser Val Leu Ala Met Cys Leu Cys Val Cys Val
100 105 110

Leu Leu Leu Leu Trp Ala Ala Pro Arg Val Val Val Thr Val Gly Ser
115 120 125

Leu Ser Pro Leu Cys Cys Cys Gly Ile Cys Glu Ala Gly Asn His Phe
130 135 140

Thr Pro Gly Asn His Ala Met Ser Pro Gly Tyr Pro Gln Leu Ile Gln
145 150 155 160

Thr Ser Lys Phe Trp Gly Gln Val Ile Leu Arg Pro Pro Arg Trp Phe
165 170 175

Phe

<210> 147
<211> 56
<212> PRT
<213> Homo sapien

<400> 147

Met Gln Asp Pro Val Leu Ser Asp Thr Arg Ser Ser Leu Gly Gly Val
1 5 10 15

Leu Gly Leu Leu Thr His Asn Phe Phe Thr Leu Val Leu Phe Trp Ser
20 25 30

Leu Ile Leu Ala Arg Asn Gln Pro Phe Gln Phe Leu Phe Lys Pro Lys
35 40 45

Lys Pro Leu Leu Val Gln Pro Gly
50 55

<210> 148
<211> 42
<212> PRT
<213> Homo sapien

<400> 148

Met Thr Asn Gly Arg Met Gly Leu Arg Cys Met Pro Ser Gly Ala Ser
1 5 10 15

Val Met Asp Ala Gly Arg Arg Ala Gly Thr Ala Asp Phe Gln Ser Lys
20 25 30

Asp Ile Tyr Leu Leu Tyr His Ile Ala Ser

35 40

<210> 149
<211> 27
<212> PRT
<213> Homo sapien

<400> 149

Met Cys Val Trp Cys Val Trp Tyr Val Val Tyr Val Val Cys Gly Val
1 5 10 15

Cys Arg Val Cys Gly Gly Tyr Thr Thr Leu Tyr
20 25

<210> 150
<211> 186
<212> PRT
<213> Homo sapien

<400> 150

Lys Ile Phe Leu Lys Gln Ile Lys Asp Ile Asn Lys Ala Lys Ser Ile
1 5 10 15

Tyr Leu Gln Cys Ile Tyr Leu Thr Lys Asp Ser Tyr Pro Glu Tyr Ile
20 25 30

Lys Ser Pro Tyr Lys Ser Met Thr Lys Asp Ile Ala Lys Thr Asn Lys
35 40 45

Thr Arg Cys Thr Met Ala Ser Gln His Ile Leu Lys Arg Phe Ser Ile
50 55 60

Ser Leu Val Ile Arg Glu Met Gln Lys Glu Thr Ile Met Arg Gly His
65 70 75 80

His Met Ile Thr Thr Leu Ala Lys Ile Lys Asn Thr Gln Asn Ala Lys
85 90 95

Cys Trp Ala Glu Cys Arg Glu Thr Gly Thr Arg Val His Cys Trp Trp
100 105 110

Glu Cys Lys Ile Val His Leu Leu Trp Lys Arg Val Trp Glu Phe Leu
115 120 125

Ala Lys Leu Asn Val Glu Leu Pro Tyr Asp Pro Ala Ile Pro Leu Leu
130 135 140

Cys Ile Asp Pro Arg Glu Leu Lys Thr Tyr Gly Gln Asn Thr Thr Cys
145 150 155 160

Ser Ala Met Phe Ile Met Thr Leu Phe Met Ile Ala Lys Lys Trp Lys
165 170 175

Gln Pro Lys Cys Pro Ser Arg Cys Pro Ser
180 185

<210> 151
<211> 201
<212> PRT
<213> Homo sapien

<400> 151

Met Pro Ser Pro Ser Arg Gly Val Ser Ile Leu Arg Ala Leu Pro Cys
1 5 10 15

Ser Leu Val Arg Val Arg Gly Cys Phe Val Arg Leu Gly Ser Leu Pro
20 25 30

Cys Pro Val Leu Val Arg Cys Tyr Phe Leu Phe Arg Leu Pro Phe Val
35 40 45

Leu Ser Ala Ala Pro Gly Leu Pro Arg Leu Ser Pro Pro Ala Leu Ser
50 55 60

Pro Pro Cys Pro Leu Arg Pro Ala Pro Ser Phe Leu Val Leu Leu Val
65 70 75 80

Val Asp Val Trp Gly Asn Cys Ala Glu Ala Arg Asn Asn Pro Gln Cys
85 90 95

Leu Ala Thr Thr Thr Ala Lys His Thr Pro Phe Val Thr Pro Met Glu
100 105 110

Val Tyr Leu Leu Leu Lys Ala Leu Leu Arg Ser Arg Lys Pro Phe Pro
115 120 125

Phe Pro Arg Gly Gly Pro Lys Leu Leu Gly Gly Pro Phe Pro Asn Gly
130 135 140

Pro Lys Arg Lys Thr Ala Val Ser Arg Val Thr Lys Arg Glu Leu Gly
145 150 155 160

Phe Thr Val Arg Val Gly His Asn His Val Trp Ala Cys Arg Gly Asn
165 170 175

Thr Ala Gln Lys Ser Gly Pro Pro His Thr Pro Lys Trp Glu Lys Pro
180 185 190

Gln Ala Arg Ala Leu Pro Asn Gly Leu
195 200

<210> 152
<211> 27
<212> PRT
<213> Homo sapien

<400> 152

Met Asp Ser Val Val Ala Thr Arg Tyr Phe Leu Gly Gly Pro Ser His
1 5 10 15

Pro Arg Glu Leu Cys Leu Pro Arg Thr Leu Lys
20 25

<210> 153
<211> 17
<212> PRT
<213> Homo sapien

<400> 153

Met Phe Asn Lys Val Glu Ser Thr Gly Gln Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys

<210> 154
<211> 29
<212> PRT
<213> Homo sapien

<400> 154

Met Val Val Pro Gly Lys Leu Cys Lys Gly Leu Pro Tyr Lys Thr Ala
1 5 10 15

Ile Leu Thr Phe Cys Pro Thr Cys Thr Tyr Gly Ser Tyr
20 25

<210> 155
<211> 53
<212> PRT
<213> Homo sapien

<400> 155

Met Ile Val Leu Leu His Ser Ser Leu Gly Asp Thr Ala Ser Ser Cys
1 5 10 15

Phe Gln Thr Thr Thr Arg Lys Gln Asn Lys Lys Lys Lys Lys Lys Lys
20 25 30

Lys Lys Arg Leu Gly Tyr Trp Ala Ser Ser Gly Gly Gly Phe Phe Ser
35 40 45

Arg Pro Ser Pro Ile
50

<210> 156
<211> 81
<212> PRT
<213> Homo sapien

<400> 156

Trp Lys Gln Glu Leu Ala Val Ser Pro Arg Leu Glu Cys Ser Ser Thr
1 5 10 15

Ile Ile Ala His Ser Ser Leu Asp Leu Leu Cys Ala Asn Leu Pro Pro
20 25 30

Ala Ser Gly Ser Ala Val Ala Glu Thr Thr Gly Ala Cys Tyr His Thr
35 40 45

Trp Leu Ile Phe Lys Lys Met Phe Leu Glu Met Gly Ser His Asp Val
50 55 60

Ala Arg Ala Asp Leu Glu Leu Leu Ala Ser Asn Asn Tyr Ser Thr Ser
65 70 75 80

Ala

<210> 157
<211> 71
<212> PRT
<213> Homo sapien

<400> 157

Met His Ala Ser Cys Leu Lys Val Lys Asp Glu Gln Arg His His Trp
1 5 10 15

Thr Lys Leu Ser Trp Phe Ala Met Asn His Leu Ser Glu Gln Ala Asp
20 25 30

Asn Thr Pro Arg Tyr Ala Phe Ile Ser Thr Val Gly Thr Tyr Glu His
35 40 45

Gly Ile Pro Ile Ser Lys Ile Ser Asp Leu Phe Ser Leu Ser Val Arg
50 55 60

Thr Trp Tyr Val His Glu Gln
65 70

<210> 158
<211> 108
<212> PRT
<213> Homo sapien

<400> 158

Phe Tyr Leu Phe Met Lys Gln Gly Leu Thr Leu Ser Pro Arg Leu Glu
1 5 10 15

Cys Asn Gly Met Ile Leu Ala His Cys Ser Leu Arg Leu Leu Gly Ser
20 25 30

Ser Asp Ser Leu Ala Ser Ala Ser Ala Val Ala Gly Thr Thr Gly Thr
35 40 45

Arg His His Ala Gln Arg Asn Phe Phe Val Phe Leu Val Glu Met Gly
50 55 60

Ser His His Val Ala Thr Arg Leu Val Ser Asn Ile Val Thr Ser Glu
65 70 75 80

Ala Asp Pro Thr Cys Pro Ala Ala Ser Arg Arg Val Leu Gly Ile Thr
85 90 95

Ser Ala Thr Ser His Tyr Ala Trp Thr Ser Ile Val
100 105

<210> 159
<211> 279

<212> PRT
<213> Homo sapien

<400> 159

Met Leu Ala Ala Pro Phe Trp Leu Leu Phe Ser Asp Phe Gln Leu Ser
1 5 10 15

Phe Pro Ile Gln Pro His His Thr Thr Gln Ser Cys Lys Cys His Ser
20 25 30

Pro Pro Ser Leu Cys Leu Pro Pro His Pro Ser Pro Leu His Pro Ser
35 40 45

Ser Pro Ser His Pro Arg Pro Ala Arg His Leu Leu Pro Leu Arg His
50 55 60

Pro Ser Thr Pro Pro Ser Pro Thr Ser Leu Pro Ala Leu Pro Ser Leu
65 70 75 80

Ser Pro Leu Ser Ser Ile Pro His His Pro Pro Ser Thr Thr Ala Ala
85 90 95

Ile Gln Leu Pro Pro Thr Pro His His Leu Arg Pro Thr His Asn Tyr
100 105 110

Ser Pro Ile Arg Ser Ser His Ser Thr Pro Ser Pro His Asn Thr Pro
115 120 125

Arg Pro Thr Pro Thr Pro Pro Pro Pro Arg Ile His Tyr Thr Thr Ile
130 135 140

Ser Pro Leu Asn Thr Thr Ser Pro Pro Leu His Ser Thr Leu Ser Ser
145 150 155 160

Pro Pro Pro Leu His Gln Tyr Asn Pro Ser Gln Tyr Ser Tyr Thr Ile
165 170 175

Ile Gln Thr Ala Thr Thr His Pro Gln Leu Ser His Thr Pro Met Arg
180 185 190

Thr Asn Asn His His Ser Ile Leu Tyr Pro Pro Ser Leu Ser Pro Pro
195 200 205

Pro Pro Arg Thr Arg His Thr Pro Pro Pro His His Arg His His Leu
210 215 220

Leu Leu Tyr Leu Leu Pro Pro Tyr Thr Arg Pro Pro Thr Pro Leu Arg
225 230 235 240

Pro His Ser Ser Ser Thr Ile Tyr Thr Pro Pro Ala Tyr Ser Leu Pro
245 250 255

Ile Thr Pro Thr Ile Ser Ser Leu Ser Pro Gln Leu Pro Pro Ser His
260 265 270

Tyr His Leu Thr Thr Gln His
275

<210> 160
<211> 50
<212> PRT
<213> Homo sapien

<400> 160

Met Gln Thr Val Gly Phe Ala Gln Asp Phe His Asn Thr Gly Phe Asn
1 5 10 15

Tyr Pro Ile Arg Asp Ser Gln Leu Gly Arg Asp Thr Leu Phe Arg Asn
20 25 30

Pro Asn Phe Pro Phe Arg Asp Ile Trp Phe Tyr Thr Leu Arg Phe Tyr
35 40 45

Ser Arg
50

<210> 161
<211> 91
<212> PRT
<213> Homo sapien

<400> 161

Met Tyr Asn Ser Tyr Val Ser Trp Gly Pro His Arg Pro Ser Thr Ile
1 5 10 15

Val Pro Thr Phe Leu Phe Arg Asp Ser Ala Gln Pro Ser Phe Thr Thr
20 25 30

Thr Arg Ala Arg Thr Ile His Val Val Ile Ser Leu Ser Leu Ser Asn
35 40 45

Arg Gly Ser Thr Phe Ser Gln Lys Thr Phe Leu Ile Thr Arg Leu Thr
50 55 60

His Leu Ile Asn Lys Ala Ala Leu Phe Cys Arg Glu Arg Glu Leu Phe
65 70 75 80

Leu Ile Ala Thr Gln Gly Leu Phe Ser Arg Leu
85 90

<210> 162
<211> 109
<212> PRT
<213> Homo sapien

<400> 162

Met Phe Leu Asn Trp Arg Tyr Gln Tyr His Glu Asn Met Tyr Asn Asp
1 5 10 15

Leu Glu Ile Gln Tyr Leu Cys Met Asp Ile Cys Phe Val Lys Phe Val
20 25 30

Ser Gly Asp Phe Val Glu Arg Glu Arg Asn His Phe Pro His Thr Thr
35 40 45

Gly Asn Thr Ala Met Ala Thr Arg Gly Asn Arg His Gln Arg Leu Phe
50 55 60

Phe Phe Val Leu Tyr Met Phe Ser Ser Asp Gly Ser Leu Ala Val Leu
65 70 75 80

Pro Gly Trp Ser Ala Val Ala Arg Ser Arg Gly Ser Leu Gln Pro Leu
85 90 95

Thr Pro Gly Ser Thr Asp Ser Pro Gly Ser Ala Ser Gln
100 105

<210> 163
<211> 44
<212> PRT
<213> Homo sapien

<400> 163

Met Thr Met Gln Ala Thr Pro Thr Leu Ser Ser Pro Met Asn Thr Pro
1 5 10 15

Pro Gly Leu Arg Val Met Phe Trp Trp Trp Arg Ile Val Glu Ala Gly
20 25 30

Ile Ser Gln Cys Leu Thr His His Gly Lys His Gly
35 40

<210> 164
<211> 53
<212> PRT
<213> Homo sapien

<400> 164

Met Asn Thr Ala Asn Gln Pro Asn Glu Asn Ser Lys Arg Ser Pro Arg
1 5 10 15

Ser Glu Thr Asp Gly Gly Arg Pro Pro His Arg Arg Leu Ser Arg Lys
20 25 30

Gln Tyr Thr Arg Gln Leu Asp Pro Pro Trp Lys Arg Pro His His Glu
35 40 45

Ser Val Leu His Cys
50

<210> 165
<211> 60
<212> PRT
<213> Homo sapien

<400> 165

Met Asp Pro Leu His Cys Pro Phe Thr Thr Ala Ala Thr Ser Leu Ser
1 5 10 15

Tyr Thr Leu Thr Pro Thr Cys Gly Tyr His Cys Ser Val Leu His Leu
20 25 30

Cys Asn Phe Val Ile Ser Arg Met Leu Tyr Glu Trp Asn His Thr Glu
35 40 45

Cys Asn Leu Thr Arg Leu Ile Phe Phe His Ser Ala
50 55 60

<210> 166
<211> 213
<212> PRT
<213> Homo sapien

<400> 166

Ser Asn Arg Gly Ile Leu Ser Arg Ile Tyr Lys Lys Pro Leu Lys Thr
1 5 10 15

Gln Ala Ala Lys Glu Gln Met Thr Ala Ile Glu Asn Arg Gln Lys Thr
20 25 30

Ala Arg His Phe Thr Glu Glu Asp Thr Ala Met Ala Asn Ala His Thr
35 40 45

Lys Arg Tyr Ser Thr Ser Leu Ala Ile Glu Met Gln Ile Lys Thr Thr
50 55 60

Cys Gly Ile Ile Thr Thr Ser Met Ala Met Val Lys Ile Lys Asn Ser
65 70 75 80

Ser Asn Thr Lys Cys Trp Ala Gly Cys Glu Glu Thr Gly Ser Ile Ile
85 90 95

His Cys Cys Leu Asn Cys Met Ser Gly Cys Met Ala Lys Val Glu Pro
100 105 110

Leu Trp Lys Lys Ser Ala Gly Ser Phe Leu Gln Lys Tyr Met Cys Leu
115 120 125

Pro Tyr Asn Pro Thr Val Ala Leu Leu Ser Ile Tyr Pro Glu Asn Glu
130 135 140

Asn Val Cys Ser His Lys Thr Cys Thr Ala Met Phe Thr Ala Ala Phe
145 150 155 160

Ile Arg Ala Lys Asn Ala Lys Gln Leu Leu Cys Pro Leu Val Gly Glu
165 170 175

Trp Leu Ser Lys Leu Trp Tyr Ile His Thr Met Glu Tyr Tyr Ser Ala
180 185 190

Ile Lys Arg Asn Cys Pro His Phe Thr Thr Met Gln Tyr Met His Val
195 200 205

Arg Asn Leu Tyr Leu
210

<210> 167

<211> 127
<212> PRT
<213> Homo sapien

<400> 167

Met Ser Ile Gly Leu Asn Phe Thr Pro Arg Met Val Ala Arg Asp Met
1 5 10 15

Val Tyr Phe Val Pro Ile Leu Trp Thr Trp Arg Thr His Ala Ile Asp
20 25 30

Tyr Ala Lys Arg Arg Glu Thr Asn Thr Trp Val His Thr Pro Lys Ile
35 40 45

Pro Ala Leu Lys Arg Arg His Ser Ser Gly Thr Ile Ser Ala Thr Asn
50 55 60

Trp Gly Gly Leu Phe Thr Gln Gly Cys Lys Val Gly Lys Glu Lys Pro
65 70 75 80

Ser Leu Pro Leu Thr Ser His Glu Gln Phe Cys Ala Gly Val Tyr Pro
85 90 95

Ile Asn Thr Thr Gln Arg Thr Ile Ile Pro Pro Arg Gly Leu Leu Pro
100 105 110

Ser Leu Ser Pro Leu Pro Gly Glu Phe Thr Phe Phe Val Met Trp
115 120 125

<210> 168
<211> 60
<212> PRT
<213> Homo sapien

<400> 168

Met Asp Pro Leu His Cys Pro Phe Thr Thr Ala Ala Thr Ser Leu Ser
1 5 10 15

Tyr Thr Leu Thr Pro Thr Cys Gly Tyr His Cys Ser Val Leu His Leu
20 25 30

Cys Asn Phe Val Ile Ser Arg Met Leu Tyr Glu Trp Asn His Thr Glu
35 40 45

Cys Asn Leu Thr Arg Leu Ile Phe Phe His Ser Ala
50 55 60

<210> 169
<211> 211
<212> PRT
<213> Homo sapien

<400> 169

Pro Phe Ser Phe Leu Phe Arg Ala Leu Phe Ala Phe Phe Asp Pro Ala
1 5 10 15

Leu Ser Ile Leu Val Leu Ala Ile Ser Phe His Leu Pro Ile Asn Ser
20 25 30

Leu Ala Cys Leu Arg Glu Glu Ile His Lys Asp Leu Leu Val Thr Gly
35 40 45

Ala Tyr Glu Ile Ser Asp Gln Ser Gly Gly Ala Gly Gly Leu Arg Ser
50 55 60

His Leu Lys Ile Thr Asp Ser Ala Gly His Ile Leu Tyr Ser Lys Glu
65 70 75 80

Asp Ala Thr Lys Gly Lys Phe Ala Phe Thr Thr Glu Asp Tyr Asp Met
85 90 95

Phe Glu Val Cys Phe Glu Ser Lys Gly Thr Gly Arg Ile Pro Asp Gln
100 105 110

Leu Val Ile Leu Asp Met Lys His Gly Val Glu Ala Lys Asn Tyr Glu
115 120 125

Glu Ile Ala Lys Val Glu Lys Leu Lys Pro Leu Glu Val Glu Leu Arg
130 135 140

Arg Leu Glu Asp Leu Ser Glu Ser Ile Val Asn Asp Phe Ala Tyr Met
145 150 155 160

Lys Lys Arg Glu Glu Glu Met Arg Asp Thr Asn Glu Ser Thr Asn Thr
165 170 175

Arg Val Leu Tyr Phe Ser Ile Phe Ser Met Phe Cys Leu Ile Gly Leu
180 185 190

Ala Thr Trp Gln Val Phe Tyr Leu Arg Arg Phe Phe Lys Ala Lys Lys
195 200 205

Leu Ile Glu
210

<210> 170
<211> 49
<212> PRT
<213> Homo sapien

<400> 170

Met Val Ser Thr His Gln Arg Glu Thr Ser Tyr Asp His Gly Leu Thr
1 5 10 15

Pro Lys Leu Ser Gly Val Asn Leu Leu Lys Asn Lys Ile Arg Lys Thr
20 25 30

Glu Lys Cys Tyr Lys Pro Asn Asn Leu Lys Ile Gly Leu Lys Met Asn
35 40 45

Asn

<210> 171
<211> 146
<212> PRT
<213> Homo sapien

<400> 171

Met Phe Ala Val His Thr Ser Arg Phe Ala Val Gln Leu Arg Pro Phe
1 5 10 15

Val Leu Pro Leu Cys Phe Val Leu Thr His Phe Trp Leu Leu Thr Pro
20 25 30

Gly Pro Ile His Thr Lys Val Phe Pro Pro Thr Ser Asn Ile Arg Ala
35 40 45

Thr Arg Ser His Thr Thr Thr Thr Pro His Glu Pro Ala Leu His Thr
50 55 60

Pro His Pro Asp Pro Ala Pro Ser Thr Ser His Thr Pro His His Pro
65 70 75 80

Leu Asn Pro Pro Pro Thr His Thr Gln Pro Ser Leu Pro Thr Thr Pro
85 90 95

Leu Pro His Thr Pro His Thr Thr Thr Thr Pro His Thr Ser Thr Thr
100 105 110

Pro Thr Thr Pro Arg Thr Pro Thr His Pro Thr His Thr Pro Gln Pro
115 120 125

Thr Arg Pro His Thr His Pro His Thr Leu Thr Gln His Asn Asn Gln
130 135 140

Pro Pro
145

<210> 172
<211> 78
<212> PRT
<213> Homo sapien

<400> 172

Met Cys Thr Gln Ser Thr Thr Pro Gly Cys Asp Arg Thr Leu Gln Gly
1 5 10 15

Asp Thr Glu Ala His Trp Ser Arg Ala Arg Ala Pro Pro Lys Arg Thr
20 25 30

Ala Lys Gln Gly Ala Gln His Ser Thr Ala Pro Arg Gln Arg Ser Phe
35 40 45

Ser Arg Trp Pro Ser Ala Cys Pro Glu Gly His Ala Ala Gly Glu Arg
50 55 60

Gly Phe Gly Asn Pro Pro Ala Trp Thr Asp Thr Leu Arg Arg
65 70 75

<210> 173
<211> 78
<212> PRT
<213> Homo sapien

<400> 173

Met Tyr Lys Asn Glu Arg Tyr His Ala His His Thr Arg Val Val Gly
1 5 10 15

Glu Leu Pro Met Gly Leu Pro Ser Ser Arg Arg Arg Ser Ser Cys Arg
20 25 30

Thr Thr Cys Lys His Thr Ser Arg Glu Thr Leu Ser Gly Gln Thr Ser
35 40 45

Ser Thr Thr Thr Ser Pro His Ala Arg Val Glu Leu Val Ile Ala Gln
50 55 60

Ala Ser Gln Pro Val Cys Pro Ala Ile Ile Leu Leu Tyr Ile
65 70 75

<210> 174
<211> 111
<212> PRT
<213> Homo sapien

<400> 174

Met Leu Asp Thr Ile Glu Ser His Arg Gly Lys Ala Pro Ile Thr Lys
1 5 10 15

Arg Glu Arg Ser Ala Cys Phe Glu His Glu Leu Ser Lys Met Arg Glu
20 25 30

Ser Met Arg Phe Lys Ala Ser Ala Ser Lys Leu Gly His Leu Val Asp
35 40 45

Glu Lys Thr Tyr Gly His Pro Glu Gly Leu Trp Lys Thr Gln Pro Arg
50 55 60

Thr His Ser Pro Gln Asp Thr Cys Leu Lys Ser Gly Ser Lys Pro Ser
65 70 75 80

Cys Leu Gly Lys Glu Glu Gly Leu Gln Ser Ala Ala Asn Glu Arg Thr
85 90 95

Leu Thr Lys Gly Lys Ile His Thr Arg Pro Asp Gln Pro Ile Arg
100 105 110

<210> 175
<211> 134
<212> PRT
<213> Homo sapien

<400> 175

Met Cys Tyr Arg Glu Arg Cys Leu Leu Leu Val Glu Arg Thr His Thr
1 5 10 15

Leu Cys Ala Pro Thr Gln Cys Ser Val Val Gly Asp Asn Arg Ala Cys

20 25 30

Leu Ser Arg Leu Gln Arg Asp Ile Trp Ala Phe Phe Phe Phe Ser Arg
35 40 45

Arg Gly Ala Asp Thr Leu His Thr Arg Glu Val Cys Arg Ala Thr Tyr
50 55 60

Ile Ser Thr Gly Leu Ser Arg Glu Arg Tyr Leu Phe Ser Ser Leu Ser
65 70 75 80

Cys Gly Glu Asn Ser Leu Trp Cys Gly Asp His Thr Ala Arg His Lys
85 90 95

Arg Ser Ser Leu Ser Ser Val Lys His Ser Arg Arg Cys Leu His Lys
100 105 110

Asn Tyr Leu Ala Arg Pro Asn Arg Leu Leu Phe Phe Ile Phe Leu Asn
115 120 125

Ser Leu Trp Gly Gly Lys
130

<210> 176
<211> 234
<212> PRT
<213> Homo sapien

<400> 176

Met Phe Val Leu Leu Leu Cys Cys Leu Cys Leu Cys Leu Ser Val Cys
1 5 10 15

Phe Cys Leu Leu Ser Phe Gly Leu Cys Trp Val Leu Ser Cys Val Val
20 25 30

Leu Cys Val Val Phe Cys Phe Val Leu Phe Val Cys Val Leu Phe Phe
35 40 45

Val Leu Ser Leu Leu Phe Phe Leu Cys Cys Phe Cys Gly Phe Val Phe
50 55 60

Phe Leu Phe Cys Phe Val Cys Val Phe Phe Cys Cys Cys Val Leu Phe
65 70 75 80

Ser Phe Leu Leu Phe Val Phe Phe Ser Leu Cys Phe Phe Phe Val Leu

85 90 95

Phe Ser Met Phe Leu Val Val Val Leu Phe Cys Leu Gly Leu Leu Phe
100 105 110

Phe Phe Phe Cys Ser Val Ser Leu Cys Leu Phe Gly Phe Leu Leu Phe
115 120 125

Phe Ser Phe Leu Phe Ser Leu Val Phe Val Val Leu Val Leu Phe Ala
130 135 140

Cys Phe Trp Val Phe Ala Cys Cys Phe Cys Val Phe Phe Pro Phe Cys
145 150 155 160

Leu Leu Val Phe Phe Phe Phe Leu Phe Phe Val Phe Arg Leu Phe Phe
165 170 175

Phe Ser Phe Ser Leu Phe Ser Phe Phe Ala Phe Val Val Val Leu Cys
180 185 190

Phe Leu Phe Phe Phe Leu Val Val Phe Phe Val Phe Phe Phe Phe Phe
195 200 205

Phe Phe Ser Phe Ser Phe Phe Pro Leu Phe Phe Val Phe Phe Phe Phe
210 215 220

Phe Phe Phe Phe Ser Phe Gly Ser Ser Arg
225 230

<210> 177
<211> 123
<212> PRT
<213> Homo sapien

<400> 177

Met Ser Val Phe Ala Leu Ala Gly Arg Ser Cys Cys Cys Ser Val Cys
1 5 10 15

Cys Arg Val Ser Pro Val Cys Arg Leu Leu Cys Ser Cys Val Ser Phe
20 25 30

Leu Cys Cys Leu Ala Ala Ser His Ile Ile Ser Ser Leu Gly Ile Arg
35 40 45

Leu Leu Thr Val Tyr Leu Tyr Ser Cys Phe Ser Ile Phe Ala Cys Leu

50 55 60

Ala Phe Phe Phe Leu Ser Phe Phe Phe Val Gly Phe Leu Ile Phe Tyr
65 70 75 80

Glu Leu Gly Gly Thr His Cys Phe Pro Arg Arg Val Ile Phe Leu Leu
85 90 95

Pro Pro Val Leu Thr Pro His Arg Ser Phe Phe Phe Leu Phe Phe Val
100 105 110

Phe Phe Phe Ser Ser Val His Gln Thr Pro Leu
115 120

<210> 178
<211> 83
<212> PRT
<213> Homo sapien

<400> 178

Met Gly Arg Lys Thr Ile His Thr Gly Thr Leu Trp Pro Arg Leu Pro
1 5 10 15

Pro Thr Phe Phe Phe Phe Asp Ile Phe Phe Phe Ser Arg Arg Ser Leu
20 25 30

Ala Leu Leu Pro Arg Leu Glu Cys Ser Gly Ala Ile Ser Ala His Cys
35 40 45

Asn Phe Cys Leu His Lys Phe Lys Gln Phe Ser Cys Leu Ser Leu Gln
50 55 60

Ser Ser Trp Asp Tyr Arg Arg Val Pro Leu Cys Pro Ala Asn Phe Tyr
65 70 75 80

Ile Leu Met

<210> 179
<211> 71
<212> PRT
<213> Homo sapien

<400> 179

Met Arg Val Ser Thr Phe Val Arg Tyr Pro Arg Gly Asp Leu Thr Cys
1 5 10 15

Ala Gly Val Arg Ser Phe Ala Ser Arg Ser Leu Tyr His Val Val Arg
20 25 30

Leu Leu Val Gly Arg His Leu Ser Gly Asp Arg Val Ser Thr Pro Ser
35 40 45

Trp Pro Leu Ile Ala Ala Asp Cys Gln His Gly Leu Tyr Asp Leu Leu
50 55 60

Leu Ile Ser Ser Tyr Val Pro
65 70

<210> 180
<211> 84
<212> PRT
<213> Homo sapien

<400> 180

Met Phe Cys Leu Val Trp Gly Thr His His Leu Gly Cys Arg Arg Ala
1 5 10 15

Arg Gly Trp Leu Ile Thr Pro Pro Pro Cys Cys Ala Asn Thr Asn Pro
20 25 30

Arg Arg Gly Ile Thr Asn Ala Leu Ile Leu Glu Ala His Pro Trp Arg
35 40 45

Val Tyr Tyr Ala Pro Pro Thr Gly Phe Leu Gln Pro Arg Gly Gly His
50 55 60

Thr Ala Phe Asn Ser Val Val Ala Thr Arg Ser Cys Arg Gly Pro Pro
65 70 75 80

Thr Gly Gly Trp

<210> 181
<211> 74
<212> PRT
<213> Homo sapien

<400> 181

Met Glu Ser Thr Leu Arg Cys Ala Thr Pro Gly Pro Asp Thr Leu Gln
1 5 10 15

```
His Thr Gly Val Pro Gly Pro Ile Thr His Arg Glu Gln Val Gly Ser
            20                  25                  30

Tyr Thr Thr Pro Leu Arg Ile Pro Pro Ala Ala Ala Asp Ser Gln Thr
        35                  40                  45

Ala Val Tyr Asn Pro Leu Arg Arg Arg Arg Pro His Arg Ala Thr Pro
    50                  55                  60

Arg Lys Pro Lys Thr Ile Thr Arg Lys Met
65                  70
```

<210> 182
<211> 87
<212> PRT
<213> Homo sapien

<400> 182

```
Met Glu Leu Tyr His Arg Lys Glu Leu Glu Gly Leu Cys Tyr Cys Gly
1               5                   10                  15

Val Thr Phe Gly Leu Arg Ser Pro Gly Gln Ser Ala Arg Cys Cys Thr
            20                  25                  30

Thr Arg Gly Asn His Cys Arg Cys His Pro Ala Pro Ala Pro Pro Pro
        35                  40                  45

Gly Ala Pro Leu Arg Ile Ser Glu Lys Leu Lys Pro Ser Val Ser Leu
    50                  55                  60

Gly Gly Phe Leu Arg Ser Ile Ile Ile Leu Leu Phe Asn Ser Ile Phe
65                  70                  75                  80

Val Asn Ile Lys Ser Ser Phe
                85
```

<210> 183
<211> 105
<212> PRT
<213> Homo sapien

<400> 183

```
Met Leu Lys Ser Phe Phe Phe Ser Leu Arg Gly Trp Gly Trp Arg Gly
1               5                   10                  15
```

Asp His Val Asn Phe Ser Gly Leu Gln Arg Lys Cys Gly Phe Val Asp
20 25 30

Leu Gln Leu Phe Val Pro Phe Val Leu Ser Leu Cys Glu Ile Asn Thr
35 40 45

Ser Lys Thr Phe Thr Pro Pro Leu Leu Ser Arg Gly Ala Tyr Ile Ser
50 55 60

Arg Val Ala His Asn Ser Arg Val Ser Ala Gly Cys Glu Ser Val Phe
65 70 75 80

Thr Arg Leu Pro Ile Pro Pro Lys Thr Ser Lys Lys Gly Val Pro Thr
85 90 95

Lys Gly Thr Lys Glu Lys Lys Lys Pro
100 105

<210> 184
<211> 60
<212> PRT
<213> Homo sapien

<400> 184

Met Asp Pro Leu His Cys Pro Phe Thr Thr Ala Ala Thr Ser Leu Ser
1 5 10 15

Tyr Thr Leu Thr Pro Thr Cys Gly Tyr His Cys Ser Val Leu His Leu
20 25 30

Cys Asn Phe Val Ile Ser Arg Met Leu Tyr Glu Trp Asn His Thr Glu
35 40 45

Cys Asn Leu Thr Arg Leu Ile Phe Phe His Ser Ala
50 55 60

<210> 185
<211> 218
<212> PRT
<213> Homo sapien

<400> 185

Ser Gly Leu Phe Gly Pro Pro Ala Arg Arg Gly Pro Phe Pro Leu Ala
1 5 10 15

Leu Leu Leu Phe Phe Leu Leu Gly Pro Arg Leu Val Leu Ala Ile Ser

20 25 30

Phe His Leu Pro Ile Asn Ser Arg Lys Cys Leu Arg Glu Glu Ile His
35 40 45

Lys Asp Leu Leu Val Thr Gly Ala Tyr Glu Ile Ser Asp Gln Ser Gly
50 55 60

Gly Ala Gly Gly Leu Arg Ser His Leu Lys Ile Thr Asp Ser Ala Gly
65 70 75 80

His Ile Leu Tyr Ser Lys Glu Asp Ala Thr Lys Gly Lys Phe Ala Phe
85 90 95

Thr Thr Glu Asp Tyr Asp Met Phe Glu Val Cys Phe Glu Ser Lys Gly
100 105 110

Thr Gly Arg Ile Pro Asp Gln Leu Val Ile Leu Asp Met Lys His Gly
115 120 125

Val Glu Ala Lys Asn Tyr Glu Glu Ile Ala Lys Val Glu Lys Leu Lys
130 135 140

Pro Leu Glu Val Glu Leu Arg Arg Leu Glu Asp Leu Ser Glu Ser Ile
145 150 155 160

Val Asn Asp Phe Ala Tyr Met Lys Lys Arg Glu Glu Glu Met Arg Asp
165 170 175

Thr Asn Glu Ser Thr Asn Thr Arg Val Leu Tyr Phe Ser Ile Phe Ser
180 185 190

Met Phe Cys Leu Ile Gly Leu Ala Thr Trp Gln Val Phe Tyr Leu Arg
195 200 205

Arg Phe Phe Lys Ala Lys Lys Leu Ile Glu
210 215

<210> 186
<211> 139
<212> PRT
<213> Homo sapien

<400> 186

Met Gln Val Val Ser Phe Leu Phe Pro Arg Ser Ser Cys Ser Asn Asp

1 5 10 15

Ser Ser Pro Gly Glu His His Gly Gly Asn Met His Ile Gly Arg Tyr
20 25 30

Gly Ser Ala Cys Ala Ile Val Arg Gly Ala Leu Trp Glu Asp Phe Ile
35 40 45

Met His Leu Ser Phe Arg Met Cys Pro Arg Val Ile Ser Glu Lys Glu
50 55 60

Gly Thr Val Glu Arg Ala Phe Leu Lys Gly Ile Lys Val Ala Leu Leu
65 70 75 80

Ile Ser Val Cys Arg Phe Met Ser Pro Ser Trp Ile Pro Trp Trp Ala
85 90 95

Pro Asn Asn Ala Ala Pro Lys Ile Gln Val Phe Arg Ile Ile Tyr Pro
100 105 110

Leu Leu Pro Tyr His Thr Gly Gly Thr Gly Thr Ser Gln Val Val Gly
115 120 125

Ser Arg Met Glu Val Gly Val Tyr Gly Val Arg
130 135

<210> 187
<211> 118
<212> PRT
<213> Homo sapien

<400> 187

Met Leu Trp Gly Trp Gly Pro Arg Val Ala Leu Gln Arg Leu Val Tyr
1 5 10 15

Ser Pro Ala Ser Leu Gly Gly Ala Arg Val Gly Val Val Ile His Gly
20 25 30

Trp Ser Asn Glu Tyr Leu Thr Thr Tyr Pro Ala Val Leu Thr Pro Phe
35 40 45

Glu Pro Arg Val Leu Tyr Leu Lys Lys Tyr Ser Pro Lys Gln Thr Gln
50 55 60

Ile Phe Ala Ala Val Gly Gly Gly Ala Pro Phe Gly Leu Ser Pro Arg

65 70 75 80

Tyr Pro Gly Gly Cys Gly Gly Thr Glu Lys Trp Gly Val Cys Pro Trp
85 90 95

Gly Gly Ala Ala Leu Leu Val Lys Pro Glu Lys Ser Ala Ser Leu Trp
100 105 110

Ala Pro Arg Val Asp Val
115

<210> 188
<211> 202
<212> PRT
<213> Homo sapien

<400> 188

Met Trp His Thr Ser Val Gly Thr Ser Leu His Leu Ser His Thr Glu
1 5 10 15

Phe Ser Arg Cys Gly Lys Arg Gly Met Ser Pro Thr Arg Cys Ala Leu
20 25 30

Trp Val Ala His Lys Asn Thr Gln Arg Arg Glu Glu Arg Val Trp Cys
35 40 45

Gly Val Val Asp Glu Gly Pro Val Gly Glu Arg Glu Arg His Thr Pro
50 55 60

Pro Cys Arg Glu Arg Ala Gly Glu Thr His Arg Trp Ser Ser His Thr
65 70 75 80

Cys Glu Thr Leu Ser Pro Thr Gly Gly Arg Glu Lys Cys Val Ala Pro
85 90 95

Gly Ser Pro Cys Ala His Thr Ile Lys Glu Gly Asp Asp Thr Gln Lys
100 105 110

Thr Met Cys Ala Arg Val Arg Lys Thr Ile Val Arg Glu Arg Gly Val
115 120 125

Val Gly Ala Ser Gly Arg Ala Arg Gly Gly Arg Leu Thr Arg Ala Pro
130 135 140

Val Arg Asn Leu Pro Glu Thr Thr Cys Val Trp Arg Gly Ala His Arg

145 150 155 160

Gly Arg Arg Gly Asp Ser His Arg Glu Trp Val Tyr Lys Glu Arg Cys
165 170 175

Val Arg His Thr Gln Leu Ala Cys Ala Arg Asn Thr His Ala Arg Arg
180 185 190

Lys Tyr Pro Arg Gly Ser Leu Ser Thr Gln
195 200

<210> 189
<211> 102
<212> PRT
<213> Homo sapien

<400> 189

Met Thr Ile Ser Ile Gly Leu Cys Asp Val Tyr Asn Gln Trp Thr Ser
1 5 10 15

Leu Arg Leu Gly Phe Pro Val Ile Gly Cys Lys Gln Tyr Ala Cys Ser
20 25 30

Ser Gly Phe Thr Asp Met Tyr Pro Cys Ser Thr Tyr Ile Ser Gly Arg
35 40 45

Pro Ala Asn Lys Pro Ser Gly Asn Gly Trp Arg Arg Arg Val Ala Tyr
50 55 60

Gly Arg Arg Arg Pro Gly Asp Ser Ser Arg Glu Asn Glu Pro Ala Ile
65 70 75 80

Thr Thr Val Gly Ile Val His Ser Lys Arg Asn Lys Pro Arg Trp Arg
85 90 95

Glu Leu Arg Ile Pro Ala
100

<210> 190
<211> 65
<212> PRT
<213> Homo sapien

<400> 190

Met Leu Leu Ser Ser Ser Arg Pro His Lys Asp Val Asp Ser Gln Asn
1 5 10 15

Ser Asp Pro Val Pro Ala Asp Asp Asp Ala Ala Arg Leu Gln Val Ile
20 25 30

Ser Tyr Thr Ile Val Gly Asp Gly Val Arg Leu Leu Glu Ala Ser Met
35 40 45

Phe Lys Glu Tyr Ile Arg Gln Leu His Ala Thr His Trp Ile Arg Ser
50 55 60

Pro
65

<210> 191
<211> 145
<212> PRT
<213> Homo sapien

<400> 191

Met Thr Val Val Tyr Ala Gln Thr Asn Lys Lys Lys Thr Lys Lys Thr
1 5 10 15

Lys Glu Thr Pro Trp Gly Val Thr Pro Tyr Gly Gly Pro Met Arg Arg
20 25 30

Cys Val Ser Pro Trp Val Val Glu Thr Val Cys Val Leu Ser Gly Asn
35 40 45

Thr Asn Ile Leu Pro Pro His Asn Ile Leu Arg Arg Pro Gln Thr Gln
50 55 60

Lys His Thr Thr His Asn Pro Arg Thr Thr Leu Gln Gln Thr Thr Pro
65 70 75 80

Glu Lys Glu Leu Val Ala Ala Gln Val Lys Gln Gly Ala Pro Ala Ser
85 90 95

Pro Gln Lys Thr Pro Ile Glu Gln Cys Arg Lys Lys Arg Ser Thr Gly
100 105 110

Arg Glu Arg Leu Met Pro Gln Leu Glu His Glu Glu Lys Pro Asn Cys
115 120 125

Asn Leu Pro Thr Lys Cys Asp Glu Ile Arg Gln Glu Ala Ser Arg Arg
130 135 140

Ala
145

<210> 192
<211> 167
<212> PRT
<213> Homo sapien

<400> 192

Met Val Pro Phe Gly Val Phe Val Leu Cys Ser Arg Val Leu Phe Ser
1 5 10 15

Leu Val Leu Val Ala Phe Cys Phe Cys Leu Leu Leu Phe Phe Ser Ser
20 25 30

Phe Phe Ser Leu Val Arg Ser Phe Ser Phe Val Phe Phe Cys Cys Cys
35 40 45

Phe Leu Ser Tyr Phe Pro Leu Leu Phe Cys Phe Phe Phe Leu Ile Leu
50 55 60

Leu Phe Leu Phe Leu Leu Cys Leu Val Leu Phe Pro Cys Leu Ser Ser
65 70 75 80

Tyr Phe Leu Ser Val Trp Phe Cys Phe Val Val Leu Phe Ser Val Ala
85 90 95

Tyr Val Ser Cys Leu Ser Phe Ser Ser Phe Phe Ala Phe Phe Pro His
100 105 110

Leu Phe Phe Phe Phe Leu Ser Phe Leu Cys Phe Pro Leu Leu Leu Leu
115 120 125

Ser Leu Val Ser Ser Phe Val Trp Phe Leu Ser Leu Ser Pro Pro Cys
130 135 140

Leu Phe Phe Ser Ser Ser Phe Phe Val Ser Leu Ser Phe Val Phe His
145 150 155 160

Ser Pro Pro Ala Cys Leu Arg
165

<210> 193
<211> 151

<212> PRT
<213> Homo sapien

<400> 193

Met Trp Phe Cys Ile Phe Pro Leu Leu Ala Cys Leu Pro Ser Leu Ala
1 5 10 15

Phe Leu Phe Ser Phe Ala Ser Arg Leu Cys Leu Ser Val Pro Cys Val
20 25 30

Phe Ala Ser Thr Asp Leu Leu Pro Gly Phe Ser Trp Leu Ala Tyr Ser
35 40 45

Pro Val Asp Cys Leu Phe Ala Trp Glu Leu Phe Arg Leu Leu Leu Ser
50 55 60

Pro Leu Val Ser Val Val Gly Ser Trp Phe Leu Ala Leu Cys Ser Leu
65 70 75 80

Ala Cys Val Arg Leu Val Ser Ser Phe Glu Ser His Ala Gly Val Trp
85 90 95

Trp Cys Val Cys Val Val Val Ala Leu Gln Tyr Cys Leu Ser Leu Val
100 105 110

Leu Leu Ser Leu Ser Phe Val Ser Asp Val Leu Ser Tyr Phe Ser Leu
115 120 125

Gly Leu Leu Gln Cys Phe Ser Val Leu Gly Leu Ser Val Leu Leu Met
130 135 140

Ser Leu Ile Ala Phe Tyr Leu
145 150

<210> 194
<211> 122
<212> PRT
<213> Homo sapien

<400> 194

Met Thr Leu Ser Glu Ile Ala Arg Gln Arg Thr Glu Pro Gln Lys Tyr
1 5 10 15

Asp Gln Lys Arg Glu Asn Lys Asn Pro Gln Arg Gln Thr Asp Lys Glu
20 25 30

Arg Thr Lys Met Asn Lys Lys Thr Lys Lys Lys Lys Asn Thr Arg Arg
35 40 45

Glu Arg Lys Lys Glu Thr Thr Arg Lys Thr Arg Asn Lys Glu Arg Ser
50 55 60

Glu Thr Asn Arg Thr Lys Glu Gln Gln Lys Gln Asn Glu Gln Lys Asn
65 70 75 80

Asn Gly Thr Thr Thr Pro Pro Arg Lys Pro Lys Gln Arg Lys Gln Lys
85 90 95

Arg Ala Pro Leu Ser Arg His Thr Asn Arg Glu Arg Lys Thr Lys Asp
100 105 110

Thr Asn Asn Gln Asn Thr His Ile Val Gly
115 120

<210> 195
<211> 90
<212> PRT
<213> Homo sapien

<400> 195

Met Cys Phe Phe Phe Cys Phe Val Phe Phe Leu Leu Leu Phe Phe Ala
1 5 10 15

Cys Val Cys Cys Val Phe Cys Met Phe Leu Phe Val Cys Val Leu Leu
20 25 30

Ala Gly Arg Ser Phe Phe Val Phe Met Phe Gly Ser Pro Leu Phe Ser
35 40 45

Leu Cys Val Ser Pro Ala Tyr Met Cys Val Cys Val Trp Arg Asp Met
50 55 60

Cys Glu Ser Ala Arg Tyr Ile Thr His Phe Tyr Thr His Thr Gly Glu
65 70 75 80

Thr His Ser Ile Cys Glu Thr Thr Gly Glu
85 90

<210> 196
<211> 310
<212> PRT

<213> Homo sapien

<400> 196

Met Thr Ala Thr Thr Ala Ser Cys Gly Gly Gly Asn Asn Thr Pro Ala
1 5 10 15

Val Pro Pro Thr Pro Arg Gly Glu Ala His Ile Ser Thr Leu Val Trp
20 25 30

Cys Phe Arg Asp Ile Pro Pro Ala Ala Glu Leu Leu Trp Ala Pro Leu
35 40 45

Gly Val Leu Tyr Phe Ile His Leu Phe Leu Pro Leu Cys Leu Trp Gly
50 55 60

Asp Pro Pro Ala Tyr Lys Val Ile Ser Val Met Ile Leu His His Ile
65 70 75 80

Ile Val Phe Phe Leu Gly Glu Asp Thr Leu Gly Gly Asp Thr Thr Ser
85 90 95

Arg Gly Val Tyr Ala Pro Leu Pro His Met Arg Gly Ala Tyr Ser Ala
100 105 110

Pro Ser Glu Gly Ala His Pro Pro His Thr Leu Trp Ser His Ser Leu
115 120 125

Leu Cys Val Leu Pro Pro Ser Leu Ser Leu Ser Glu Arg Glu Ser Leu
130 135 140

Ser Thr Gln Pro His Thr His Arg Gly Ala His Thr His Ser Val Val
145 150 155 160

Cys Val Cys Leu Trp Ser Leu His Ser Gly Arg Leu Leu Tyr His Pro
165 170 175

Arg Gly Glu Thr Leu Cys Asp Asp Thr Ala Gly Ala Ala Leu Leu Glu
180 185 190

Arg Ala Thr Gln Ser Val Arg His Asn Ser Leu Thr Leu Phe Asn Arg
195 200 205

Asp Ala Arg Arg Val Trp Arg Asp Ala Thr Pro His Thr Arg Ser Leu
210 215 220

```
Ala His Thr His Arg Glu Arg His Thr His Thr His Val Asn Ala Ala
225                 230                 235                 240

Ala Thr Ala Thr Ala Leu Thr His Ser Arg Val Thr Arg Asp Ala Arg
                245                 250                 255

Ala Ala Ala Thr Ala Gly Arg Ser Val Ser Pro Thr Gln Arg Glu Ala
            260                 265                 270

Thr His Ser Ala Arg Ala His Ala Cys His His Ala His Ser Arg Glu
        275                 280                 285

Gly Glu Arg Asn Pro Leu Gly Glu Arg Arg His Thr Val Gly Ala Leu
    290                 295                 300

Thr Thr Arg Ser Val Thr
305                 310
```

<210> 197
<211> 122
<212> PRT
<213> Homo sapien

<400> 197

```
Met Phe Lys Ser Leu Asn Gln Tyr Arg Thr Leu Thr Pro Ser Gly Asn
1               5                   10                  15

Ser Asp Leu Pro Ser Ala Lys Leu Ser Arg Gln Ile Arg Phe Thr Ala
            20                  25                  30

Lys Thr Pro Pro Phe Thr Gln Tyr Thr Thr Arg Pro His Thr Leu Tyr
        35                  40                  45

Leu Ser Val Pro Cys Thr Leu Ser Ser Arg Ser Ser Asp Phe Arg His
    50                  55                  60

Thr Leu Glu Val Gly Lys Leu Leu Leu Met Leu Pro Leu Thr Gln Ser
65                  70                  75                  80

Ile Arg Phe Asp Arg Tyr Ser Cys Met Gln Leu Gln Lys Val Ser Tyr
                85                  90                  95

Phe Ser Ser Asp Ala Met Ser Thr Ala Ala Asp Gln Arg Tyr His Gly
            100                 105                 110
```

Val Tyr Arg Ile Cys Val Tyr Leu Lys Arg
115 120

<210> 198
<211> 91
<212> PRT
<213> Homo sapien

<400> 198

Met Glu Ser Arg Ser Val Ala Gln Ala Gly Val Gln Trp Arg Asp Leu
1 5 10 15

Ser Ser Leu Gln Leu Leu Pro Pro Gly Ile Lys Arg Phe Ser Cys Leu
20 25 30

Ser Leu Leu Ser Ser Trp Asp Tyr Arg His Pro Pro Pro Cys Pro Ala
35 40 45

Asn Phe Cys Val Phe Ser Arg Asp Gly Leu Ser Pro Cys Trp Pro Val
50 55 60

Trp Pro Arg Thr Pro Asp Pro Arg Ile Leu Leu Pro Gln Pro Pro Lys
65 70 75 80

Val Leu Gly Leu Gln Thr Cys Pro Gly Gly Arg
85 90

<210> 199
<211> 107
<212> PRT
<213> Homo sapien

<400> 199

Met Thr Lys Gln Ser Ser Ile Thr Pro Pro Lys Asp His Val Ser Ser
1 5 10 15

Pro Ala Met Asp Pro Asn Gln Glu Glu Ile Ser Glu Leu Pro Glu Lys
20 25 30

Glu Phe Arg Arg Pro Ile Ile Gln Leu Leu Lys Glu Thr Pro Asp Lys
35 40 45

Gly Val Asn Gln Leu Lys Gly Ile Lys Ile Ile Ile Gln Asp Met Asp
50 55 60

```
Glu Lys Val Ser Arg Glu Ile Asp Ile Ile Asn Lys Asn Gln Ser Gln
65                  70                  75                  80

Leu Leu Glu Val Lys Asp Ile Leu Arg Glu Ile Gln Asn Thr Leu Ala
                85                  90                  95

Ser Phe Asn Asn Gly Leu Glu Gln Val Glu Glu
            100                 105
```

<210> 200
<211> 32
<212> PRT
<213> Homo sapien

<400> 200

```
Met Leu Val Cys Lys Val Leu Leu Arg Arg Ile Gln Asn Thr Lys Leu
1               5                   10                  15

Leu Phe Phe Thr Cys Phe Phe Lys Phe Thr Tyr Leu Tyr Leu His Leu
            20                  25                  30
```

<210> 201
<211> 342
<212> PRT
<213> Homo sapien

<400> 201

```
Leu Leu Lys Leu Leu Gln Val Leu Ile Val Leu Glu His His Leu Gly
1               5                   10                  15

Arg Ala His Glu Glu Ala Glu Asn Gln Pro Asp Leu Ser Arg Glu Trp
            20                  25                  30

Gln Arg Ala Leu Asn Phe Gln Gln Ala Ile Ser Ala Leu Gln Tyr Val
        35                  40                  45

Gln Pro His Pro Leu Thr Ser Gln Gly Leu Leu Val Ser Ala Val Val
    50                  55                  60

Arg Gly Leu Gln Pro Ala Tyr Gly Tyr Gly Met His Pro Ala Trp Val
65                  70                  75                  80

Ser Leu Val Thr His Ser Leu Pro Tyr Phe Gly Lys Ser Leu Gly Trp
                85                  90                  95

Thr Val Thr Pro Phe Val Val Gln Ile Cys Lys Asn Leu Asp Asp Leu
```

100 105 110

Val Lys Gln Tyr Glu Ser Glu Ser Val Lys Leu Ser Val Ser Thr Thr
115 120 125

Ser Lys Arg Glu Asn Ile Ser Pro Asp Tyr Pro Leu Thr Leu Leu Glu
130 135 140

Gly Leu Thr Thr Ile Ser His Phe Cys Leu Leu Glu Gln Ala Asn Gln
145 150 155 160

Asn Lys Lys Thr Met Ala Ala Gly Asp Pro Ala Asn Leu Arg Asn Ala
165 170 175

Arg Asn Ala Ile Leu Glu Glu Leu Pro Arg Thr Val Asn Thr Met Ala
180 185 190

Leu Leu Trp Asn Val Leu Arg Lys Glu Glu Thr Gln Lys Arg Pro Val
195 200 205

Asp Leu Leu Gly Ala Thr Lys Gly Ser Ser Ser Val Tyr Phe Lys Thr
210 215 220

Thr Lys Thr Ile Arg Gln Lys Ile Leu Asp Phe Leu Asn Pro Leu Thr
225 230 235 240

Ala His Leu Gly Val Gln Leu Thr Ala Ala Val Ala Ala Val Trp Ser
245 250 255

Arg Lys Lys Ala Gln Arg His Ser Lys Met Lys Ile Ile Pro Thr Ala
260 265 270

Ser Ala Ser Gln Leu Thr Leu Val Asp Leu Val Cys Ala Leu Ser Thr
275 280 285

Leu Gln Thr Asp Thr Leu Leu His Leu Val Lys Glu Val Val Lys Arg
290 295 300

Pro Pro Gln Val Lys Gly Gly Asp Glu Lys Ser Pro Leu Val Asp Ile
305 310 315 320

Pro Val Leu Gln Phe Cys Tyr Ala Phe Leu Gln Arg Ala Tyr Ser Pro
325 330 335

Pro Ser Ser Lys Asn Phe
340

<210> 202
<211> 221
<212> PRT
<213> Homo sapien

<400> 202

Gly Ser Trp Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Gly
1 5 10 15

Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn
20 25 30

Ile Gly Ala Gly Tyr Asp Tyr Val His Trp Tyr Gln Gln Leu Pro Gly
35 40 45

Thr Ala Pro Lys Leu Met Ile Tyr Glu Val Ala Lys Arg Pro Ser Gly
50 55 60

Val Ser Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
65 70 75 80

Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Cys
85 90 95

Ser Tyr Ala Gly Ser Tyr Thr Trp Val Phe Gly Gly Gly Thr Lys Leu
100 105 110

Thr Val Leu Gly Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro
115 120 125

Pro Ser Ser Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu
130 135 140

Ile Ser Asp Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp
145 150 155 160

Ser Ser Pro Val Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln
165 170 175

Ser Asn Asn Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu
180 185 190

```
Gln Trp Lys Ser His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly
        195                 200                 205

Ser Thr Val Glu Lys Thr Val Ala Pro Thr Glu Cys Ser
    210                 215                 220
```

<210> 203
<211> 150
<212> PRT
<213> Homo sapien

<400> 203

```
Met Thr Val Arg Val Thr Tyr Thr Asn Val Leu Ser Glu Val Arg Arg
1               5                   10                  15

Pro Ile Pro Lys Tyr Ala Pro Met Cys Leu Val Leu His Ser Ile Leu
            20                  25                  30

Pro Tyr Pro Met His Ala Lys Cys Met Val Ser Thr Trp Cys Pro Asn
        35                  40                  45

Val Ser Ala Tyr Tyr Thr Lys Thr Thr Thr Cys Ser Thr His Asn Arg
    50                  55                  60

Cys Asn Met Gln Ser Thr Lys Gln Gly His Thr Ala Gln Leu Ala Ile
65                  70                  75                  80

Leu Thr Ile Glu Gln Ile Gln Ser Pro Asp Tyr Asn Met Leu Leu Thr
                85                  90                  95

His Gly Leu Leu Gln Ala Ala Gln Trp Asn Leu Gly Leu Ser Leu Lys
            100                 105                 110

Gln Gln Arg Tyr Ala Gln Leu Ala Ser Arg Thr Arg His Ala Asn Gly
        115                 120                 125

Ile Pro Ala Thr Gly Ala Arg Ser Ser Asn Asn His Glu His Arg Pro
    130                 135                 140

Glu Arg Arg Ala Leu Arg
145                 150
```

<210> 204
<211> 47
<212> PRT
<213> Homo sapien

<400> 204

Met Ser Val Ser Ile Ser Leu Val Ser Ser Pro Arg Gly Ser Thr Ala
1 5 10 15

Tyr His Pro Arg Ser Val Glu Ala Pro Lys Gly Leu Pro Phe Leu Ala
20 25 30

Val Arg Pro Cys Ala Asn Pro Cys Gln Asp Thr Pro Arg Gly Leu
35 40 45

<210> 205
<211> 130
<212> PRT
<213> Homo sapien

<400> 205

Met Arg His Arg Lys Arg Lys Ser Thr Arg Arg Lys Lys Arg Arg Arg
1 5 10 15

Ile Glu Glu Arg His Val Thr Glu Asn Arg Asp Gln Glu Arg Ser Lys
20 25 30

Asp Arg Pro Gln Arg Gln Asp Gly Gly Gly Glu Arg Lys Arg Ser Gln
35 40 45

Lys Lys Thr Lys Asn Glu Arg Ile Thr Glu Ile Asn Thr Ala Thr Arg
50 55 60

Glu Gln Thr Arg Gln Glu Gln Lys Lys His Lys Gln Gln Arg Glu Ala
65 70 75 80

Lys Arg Lys Lys Arg Lys Gly Arg Gln Gln Thr Lys Glu Thr Lys Arg
85 90 95

His Arg Gln Met Glu Arg Lys Arg Glu Gln His Arg Glu Glu Gly Arg
100 105 110

Lys Glu Ile Glu Thr Arg Ala Lys Arg Ala Arg Asn Lys Lys Arg Glu
115 120 125

Ala Arg
130

<210> 206

<211> 58
<212> PRT
<213> Homo sapien

<400> 206

Met Asn Asn Gly Arg Cys Val Asn Trp Ser Asn Thr Leu Leu His Trp
1 5 10 15

Thr Gln Trp Thr Pro Arg Cys Ala Lys His His Lys Lys Asp Gly Gly
20 25 30

Gln Arg Ser Thr Asp Gly His His Thr Thr Arg Ser Ile Thr Ser Glu
35 40 45

Asn Tyr Pro Arg Thr Asn Lys Glu Leu Lys
50 55

<210> 207
<211> 60
<212> PRT
<213> Homo sapien

<400> 207

Met Arg Leu Arg Cys Tyr Ile Cys Thr Leu Phe Phe Phe Phe Cys Phe
1 5 10 15

Phe Phe Phe Leu Ser Ser Arg Phe Val Ser Gly Met Cys Cys Trp Gly
20 25 30

Glu Leu Val Gly Ala Glu Ile Ser Thr Leu Val Thr His Arg Gly Asn
35 40 45

Thr Arg Leu Met Gly Pro Trp Leu Ser Pro Thr Arg
50 55 60

<210> 208
<211> 188
<212> PRT
<213> Homo sapien

<400> 208

Met Gln Asn Thr Thr Gly Val Thr Thr Gln Lys Arg Leu Glu Leu Gln
1 5 10 15

Ala Leu Tyr Thr Asn Cys Asp Gln Glu His Leu Leu Leu Thr Thr Ile
20 25 30

```
Ser Ser Ala Arg Arg His Lys Asn Met Val Cys Thr Arg Gly Val Asp
        35                  40                  45

Asn His His Leu Cys Ala Gly Leu Arg Gly Arg Arg Ala Thr His Ser
    50                  55                  60

Leu Ala Tyr Asn Ser Arg Cys Arg Thr Trp Arg Val Gly Leu Glu Thr
65                  70                  75                  80

Leu Arg Gly Cys Asn Thr Asp Val His Gly Ala Ser Gly Lys Gln Thr
                85                  90                  95

Arg Thr Gln Gln Arg Gly Glu Lys His Cys Phe Val Asn Arg Glu Asn
            100                 105                 110

Thr Arg Met Ile Lys Asn Arg Pro Thr Gly Ala Gly Gly Thr Ile Thr
        115                 120                 125

Thr Thr Glu Thr Leu Thr His Leu Gln Gly Gly Val Glu Gly Pro Leu
    130                 135                 140

Asp Thr Pro Leu Lys Pro Arg Lys Ser Asn Asn Asp Ala Thr Lys Pro
145                 150                 155                 160

Lys Ile Ala Thr His Ala Val Gln Ala Trp Ala Asp Thr Ala Arg Ser
                165                 170                 175

Gly Ser Pro Lys Lys Glu Lys His Pro Lys Lys Gln
            180                 185
```